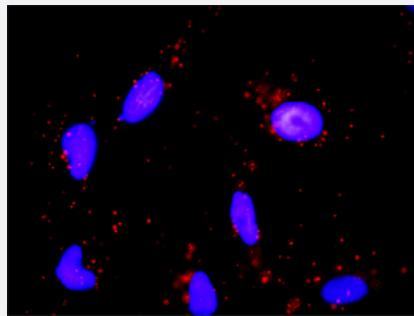


# EGFR & EGF Protein Protein Interaction Antibody Pair

Catalog # DI0240 Size 1 Set

## Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between EGFR and EGF. HeLa cells were stained with anti-EGFR rabbit purified polyclonal antibody 1:1200 and anti-EGF mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

## Specification

<b>Product Description</b>	This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the EGFR protein, and the other against the EGF protein for use in <a href="#">in situ Proximity Ligation Assay</a> . See Publication Reference below.
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Protein protein interaction immunofluorescence result. Representative image of Proximity Ligation Assay of protein-protein interactions between EGFR and EGF. HeLa cells were stained with anti-EGFR rabbit purified polyclonal antibody 1:1200 and anti-EGF mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.
<b>Supplied Product</b>	Antibody pair set content: 1. EGFR rabbit purified polyclonal antibody (100 ug) 2. EGF mouse monoclonal antibody (40 ug) *Reagents are sufficient for at least 30-50 assays using recommended protocols.
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- *In situ* Proximity Ligation Assay (Cell)

## Gene Info — EGF

Entrez GeneID	<a href="#">1950</a>
Gene Name	EGF
Gene Alias	HOMG4, URG
Gene Description	epidermal growth factor (beta-urogastrone)
Omim ID	<a href="#">131530</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Epidermal growth factor has a profound effect on the differentiation of specific cells <i>in vivo</i> and is a potent mitogenic factor for a variety of cultured cells of both ectodermal and mesodermal origin. The EGF precursor is believed to exist as a membrane-bound molecule which is proteolytically cleaved to generate the 53-amino acid peptide hormone that stimulates cells to divide. [provided by RefSeq]
Other Designations	urogastrone

## Gene Info — EGFR

Entrez GeneID	<a href="#">1956</a>
Gene Name	EGFR
Gene Alias	ERBB, ERBB1, HER1, PIG61, mENA
Gene Description	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian )
Omim ID	<a href="#">131550 211980</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. [provided by RefSeq]
Other Designations	avian erythroblastic leukemia viral (v-erb-b) oncogene homolog cell growth inhibiting protein 40 cell proliferation-inducing protein 61 epidermal growth factor receptor

## Pathway

- [Adherens junction](#)
- [Bladder cancer](#)
- [Bladder cancer](#)
- [Calcium signaling pathway](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Cytokine-cytokine receptor interaction](#)
- [Dorso-ventral axis formation](#)
- [Endocytosis](#)
- [Endocytosis](#)
- [Endometrial cancer](#)
- [Endometrial cancer](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [ErbB signaling pathway](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Gap junction](#)
- [Glioma](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [MAPK signaling pathway](#)

- [MAPK signaling pathway](#)

- [Melanoma](#)

- [Melanoma](#)

- [Non-small cell lung cancer](#)

- [Non-small cell lung cancer](#)

- [Pancreatic cancer](#)

- [Pancreatic cancer](#)

- [Pathways in cancer](#)

- [Pathways in cancer](#)

- [Prostate cancer](#)

- [Prostate cancer](#)

- [Regulation of actin cytoskeleton](#)

- [Regulation of actin cytoskeleton](#)

## Disease

- [Abortion](#)

- [Adenocarcinoma](#)

- [Adenocarcinoma](#)

- [Alcoholism](#)

- [Anus Neoplasms](#)

- [Arthritis](#)

- [Asthma](#)

- [Astrocytoma](#)

- [Atherosclerosis](#)

- [Autistic Disorder](#)

- [Barrett Esophagus](#)

- [Barrett Esophagus](#)
- [Bile Duct Neoplasms](#)
- [Biliary Tract Neoplasms](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Central Nervous System Neoplasms](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Cholangiocarcinoma](#)
- [Chromosome Aberrations](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Cleft Palate](#)
- [Cocarcinogenesis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Cystadenocarcinoma](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Drug Eruptions](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Exanthema](#)

- [Fetal Growth Retardation](#)
- [Gallbladder Neoplasms](#)
- [Gastroesophageal Reflux](#)
- [Genetic Diseases](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [HIV Infections](#)
- [Hyperparathyroidism](#)
- [Hyperparathyroidism](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Hypopharyngeal Neoplasms](#)
- [Kidney Failure](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)

- [Kidney Neoplasms](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphatic Metastasis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningioma](#)
- [Mental Disorders](#)
- [Mental Disorders](#)
- [Mouth Neoplasms](#)
- [Myoma](#)
- [Nasopharyngeal Neoplasms](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasm Recurrence](#)

- [Neoplasms](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Nervous System Neoplasms](#)
- [Neurilemmoma](#)
- [Nevus](#)
- [Osteosarcoma](#)
- [Otorhinolaryngologic Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Periodontitis](#)
- [Personality Tests](#)
- [Polycystic Kidney](#)
- [Polycystic kidney disease](#)
- [Precancerous Conditions](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)

- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Pulmonary Disease](#)
- [Ras oncogene](#)
- [Reaction Time](#)
- [Rectal Neoplasms](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Respiratory Distress Syndrome](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Skin Neoplasms](#)
- [Skin Neoplasms](#)
- [Small Cell Lung Carcinoma](#)
- [Startle Reaction](#)
- [Stomach Neoplasms](#)
- [Stomach Neoplasms](#)
- [Stress](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tongue Neoplasms](#)
- [Tonsillar Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)

- [Uterine Cervical Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Neoplasms](#)
- [Viremia](#)
- [Viremia](#)
- [Werner syndrome](#)
- [Werner syndrome](#)