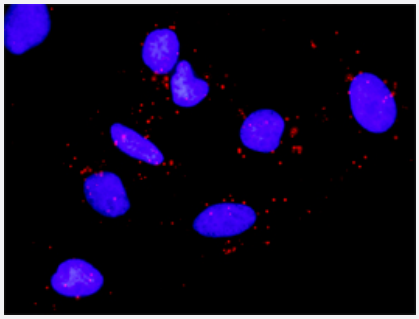
RPS6KA5 & EGF Protein Protein Interaction Antibody Pair

Catalog # DI0542 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between RPS6KA5 and EGF. HeLa cells were stained with anti-RPS6KA5 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

Product Description	This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the RPS6KA5 protein, and the other against the EGF protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.
Reactivity	Human
Quality Control Testing	Protein protein interaction immunofluorescence result. Representative image of Proximity Ligation Assay of protein-protein interactions between RPS6KA5 and EGF. HeLa cells were stained with anti-RPS6KA5 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.
Supplied Products	Antibody pair set content: 1. RPS6KA5 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.
Storage Instruction	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

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- *In situ* Proximity Ligation Assay (Cell)

Gene Info — EGF

Entrez GeneID	1950
Gene Name	EGF
Gene Alias	HOMG4, URG
Gene Description	epidermal growth factor (beta-urogastrone)
Omim ID	131530
Gene Ontology	Hyperlink
Gene Summary	Epidermal growth factor has a profound effect on the differentiation of specific cells in vivo 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 cl eaved to generate the 53-amino acid peptide hormone that stimulates cells to divide. [provided b y RefSeq
Other Designations	urogastrone

Gene Info — RPS6KA5

Entrez GeneID	9252
Gene Name	RPS6KA5
Gene Alias	MGC1911, MSK1, MSPK1, RLPK
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 5
Omim ID	603607
Gene Ontology	Hyperlink
Gene Summary	90kDa
Other Designations	mitogen- and stress-activated protein kinase 1|ribosomal protein S6 kinase, 90kD, polypeptide 5

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Pathway

- Bladder cancer
- Bladder cancer
- Cytokine-cytokine receptor interaction
- Endocytosis
- Endometrial cancer
- ErbB signaling pathway
- Focal adhesion
- Gap junction
- Glioma
- MAPK signaling pathway
- MAPK signaling pathway
- Melanoma
- Neurotrophin signaling pathway
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton

Disease

- Abortion
- Adenocarcinoma
- Alcoholism
- Arthritis

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- Autistic Disorder
- Barrett Esophagus
- Birth Weight
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Colorectal Neoplasms
- Depressive Disorder
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- Esophageal Neoplasms
- Fetal Growth Retardation
- Gallbladder Neoplasms
- Gastroesophageal Reflux
- Genetic Diseases
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma

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- Hepatitis B
- Hepatitis C
- HIV Infections
- Hyperparathyroidism
- Hypertension
- Kidney Failure
- Kidney Neoplasms
- Liver Cirrhosis
- Liver Neoplasms
- Lung carcinoma
- Lung Neoplasms
- Lymphatic Metastasis
- Malignant melanoma
- Melanoma
- Meningioma
- Mental Disorders
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Nervous System Neoplasms
- Neurilemmoma
- Nevus
- Ovarian cancer

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- Ovarian Neoplasms
- Periodontitis
- Personality Tests
- Precancerous Conditions
- Pre-Eclampsia
- Prostate cancer
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Reaction Time
- Rectal Neoplasms
- Respiratory Distress Syndrome
- Schizophrenia
- Schizophrenic Psychology
- Skin Neoplasms
- Startle Reaction
- Stomach Neoplasms
- Stress
- Tobacco Use Disorder
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Viremia
- Werner syndrome

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