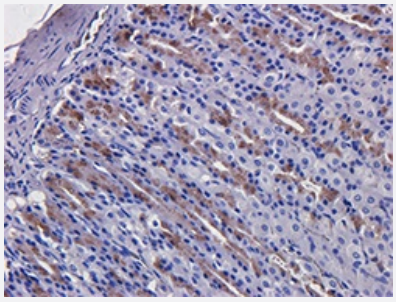
RecomAb™

EGFR recombinant monoclonal antibody, clone C225 (Cetuximab)

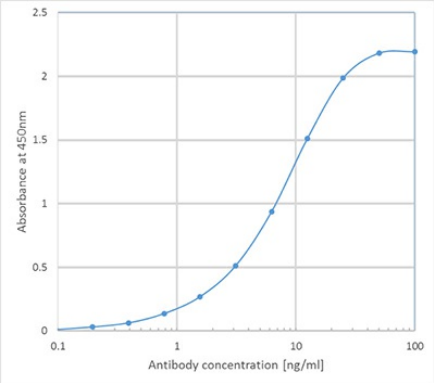
Catalog # RAB01159 Size 200 ug

Applications



Immunohistochemistry

Immunohistochemistry analysis of formaldehyde fixed paraffin embedded rat stomach tissue, at 40x magnification. The human IgG1-chimeric version of C225 was used to stain samples at a concentration of 5 ug/mL.



Enzyme-linked Immunoabsorbent Assay

ELISA Plate coated with human EGFR-Fc at a concentration of 2.0 mg/mL. A 2-fold serial dilution from 100 to 0.1 ng/mL was performed using HRP labelled cetuximab human IgG1.

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human EGFR.
Antibody Species	Mouse
Immunogen	Original antibody is raised against the epidermal growth factor receptor is the cell-surface receptor f or members of the epidermal growth factor family (EGF-family) of extracellular protein ligands.
Reactivity	Human
Specificity	Recognises human EGFR.

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A affinity purification
Isotype	IgG1, Kappa
Recommend Usage	ELISA Immunohistochemistry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Applications

- Immunohistochemistry

  Immunohistochemistry analysis of formaldehyde fixed paraffin embedded rat stomach tissue, at 40x magnification. The human IgG1-chimeric version of C225 was used to stain samples at a concentration of 5 ug/mL.

- Enzyme-linked Immunoabsorbent Assay

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Gene Info — EGFR

Entrez GeneID	1956
Protein Accession#	P00533
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	131550 211980
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protei n 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 lig and 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|ce ll proliferation-inducing protein 61|epidermal growth factor receptor

Pathway

- Adherens junction
- Bladder cancer
- Calcium signaling pathway
- Colorectal cancer
- Cytokine-cytokine receptor interaction
- Dorso-ventral axis formation
- Endocytosis
- Endometrial cancer
- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway
- Focal adhesion
- Gap junction
- Glioma
- GnRH signaling pathway
- MAPK signaling pathway
- Melanoma
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer

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- Prostate cancer
- Regulation of actin cytoskeleton

Disease

- Adenocarcinoma
- Anus Neoplasms
- Asthma
- Astrocytoma
- Atherosclerosis
- Barrett Esophagus
- Bile Duct Neoplasms
- Biliary Tract Neoplasms
- Bipolar Disorder
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Cell Transformation
- Central Nervous System Neoplasms
- Cervical Intraepithelial Neoplasia
- Cholangiocarcinoma
- Chromosome Aberrations
- Chromosome Deletion

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- Cleft Lip
- Cleft Palate
- Cocarcinogenesis
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Cystadenocarcinoma
- Diabetes Mellitus
- Diarrhea
- Disease Progression
- Disease Susceptibility
- DNA Damage
- Drug Eruptions
- Drug Toxicity
- Edema
- Endometrial Neoplasms
- Endometriosis
- Esophageal Neoplasms
- Exanthema
- Genetic Diseases
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Head and Neck Neoplasms
- Hepatitis C
- HIV Infections

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- Hyperparathyroidism
- Hypersensitivity
- Hypopharyngeal Neoplasms
- Kidney Failure
- Kidney Neoplasms
- Liver Diseases
- Liver Neoplasms
- Lung carcinoma
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Mental Disorders
- Mouth Neoplasms
- Myoma
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Osteosarcoma
- Otorhinolaryngologic Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Papillomavirus Infections

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- Polycystic Kidney
- Polycystic kidney disease
- Precancerous Conditions
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Ras oncogene
- Rectal Neoplasms
- Recurrence
- Skin Neoplasms
- Small Cell Lung Carcinoma
- Stomach Neoplasms
- Thyroid Neoplasms
- Tongue Neoplasms
- Tonsillar Neoplasms
- Urinary Bladder Neoplasms
- Urinary Calculi
- Uterine Cervical Neoplasms
- Uterine Neoplasms
- Viremia
- Werner syndrome

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