OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA375745S

EGFR Rabbit Polyclonal Antibody

Product data:

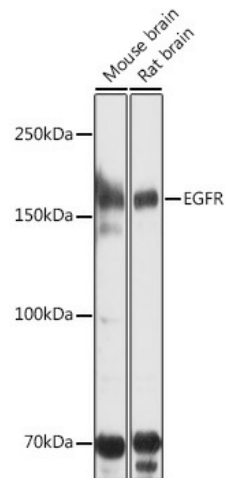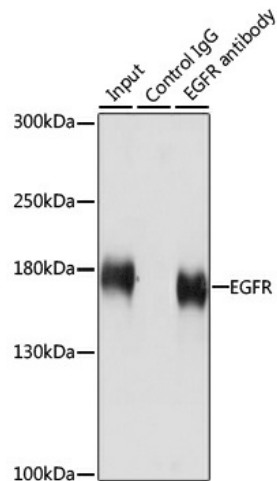|	
Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, IHC, IP, WB
Recommended Dilution:	WB,1:1000 - 1:5000
	IHC-P,1:50 - 1:200
	IF/ICC,1:100 - 1:500
	IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
	ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	134kDa
Gene Name:	epidermal growth factor receptor
Database Link:	Entrez Gene 1956 Human
	P00533

Background:
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, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2).
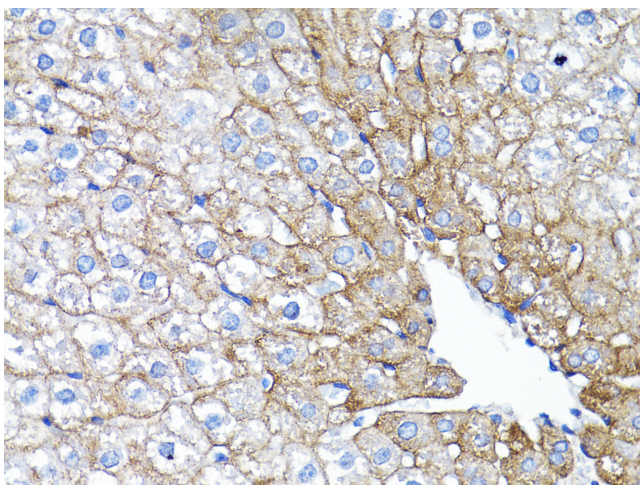
Synonyms:
ERBB; ERBB1; HER1; mENA; PIG61
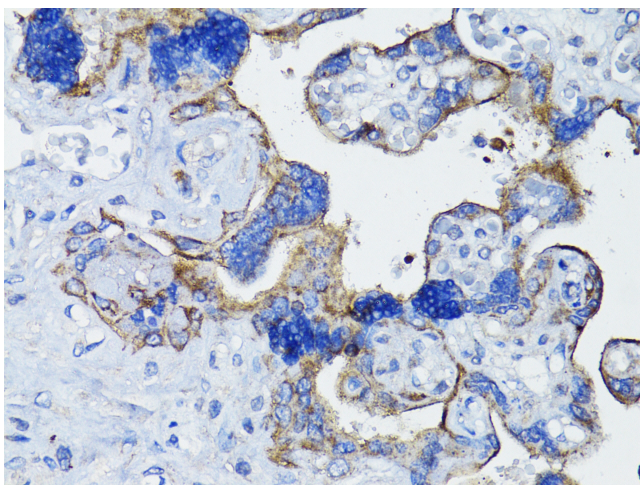
Product images:
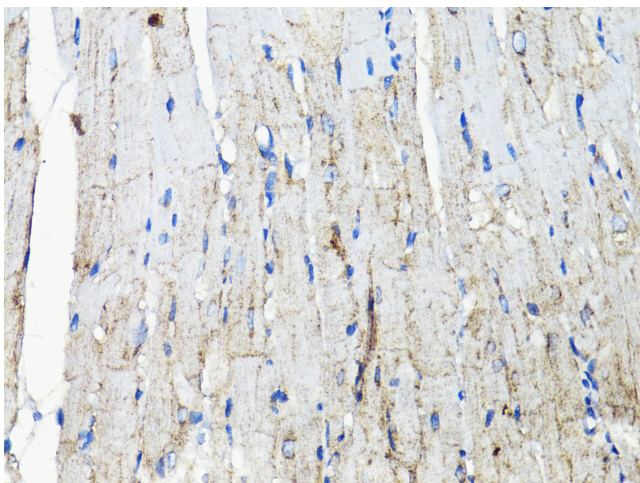

Western blot analysis of lysates from A431 cells

Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 3 µg EGFR antibody ([TA375745]). Western blot was performed from the immunoprecipitate using EGFR antibody ([TA375745]) at a dilution of 1:1000.
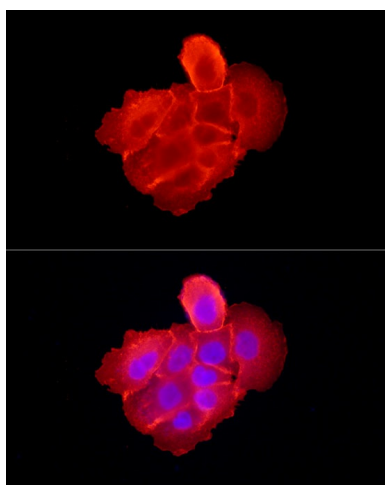
Immunohistochemistry analysis of paraffin-embedded Rat liver using EGFR Rabbit pAb ([TA375745]) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human placenta using EGFR Rabbit pAb ([TA375745]) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse heart using EGFR Rabbit pAb ([TA375745]) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Immunofluorescence analysis of A-431 cells using EGFR Rabbit pAb ([TA375745]) at dilution of 1:300 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.