

Product Datasheet

EGFR [p Tyr1197] Antibody - BSA Free NBP1-77936

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP1-77936

EGFR [p Tyr1197] Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	<p>This affinity-purified antibody is directed against the phosphorylated form of human EGFR protein at the [p Tyr1197] residue. The product was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross-adsorbed against the non-phosphorylated form of the immunizing peptide</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	1956
Gene Symbol	EGFR
Species	Human
Reactivity Notes	A BLAST analysis was used to suggest cross reactivity with phosphorylated EGFR from human, mouse and rat sources. Reactivity of this antibody with EGFR from other species is unknown.
Specificity/Sensitivity	This affinity-purified antibody is directed against the phosphorylated form of human EGFR protein at the pY1197 residue. The resultant affinity purified antibody was then cross-adsorbed against the non-phosphorylated form of the immunizing peptide. Reactivity occurs against human EGFR pY1197 protein and the antibody is specific for the phosphorylated form of the protein. Reactivity with non-phosphorylated human EGFR is minimal by ELISA. A BLAST analysis was used to suggest cross reactivity with phosphorylated EGFR from human, mouse and rat sources. Reactivity of this antibody with EGFR from other species is unknown.
Immunogen	This affinity purified EGFR [p Tyr1197] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the C-Terminus near amino acids 1175-1200 of human EGFR protein. (Uniprot: P00533)

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:250-1:1500, ELISA 1:4000-1:20000, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 1:10-1:500



Application Notes

This affinity purified antibody has been tested for use in ELISA, immunohistochemistry and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 170 kDa in size corresponding to phosphorylated EGFR protein by western blotting in the appropriate cell lysate or extract. Less than 5.0% reactivity is observed against the non-phosphorylated form of the immunizing peptide. This antibody is phospho specific for pY1197 of EGFR protein.



Images

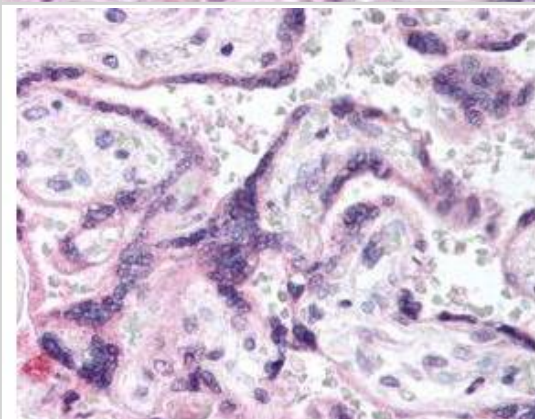
Western Blot: EGF R/ErbB1 [p Tyr1197] Antibody [NBP1-77936] - Lane 1: unstimulated A431 cells. Lane 2: A431 cells stimulated with EGF (50 ng/ml for 15 min). Load: 30 ug per lane. Primary antibody: EGFR pY1197 antibody at 1:250 for overnight at 4C. Secondary antibody: IRDye800 (TM) rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: 134.3 kDa, ~170 kDa for EGFR pY1197.



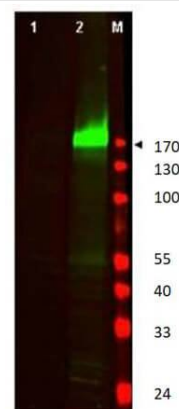
Immunohistochemistry-Paraffin: EGF R/ErbB1 [p Tyr1197] Antibody [NBP1-77936] - Tissue: placental trophoblasts. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: EGFR pY1197 antibody at 5ug/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: EGFR pY1197 is on the cell membrane. Staining: EGFR pY1197 as precipitated red signal with hematoxylin purple counterstain.



Immunohistochemistry of Rabbit anti-EGFR pY1197 antibody. Tissue: placental trophoblasts. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: EGFR pY1197 antibody at 5 ug/ml for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: EGFR pY1197 is on the cell membrane. Staining: EGFR pY1197 as precipitated red signal with hematoxylin purple counterstain.



Western Blot of Rabbit anti-EGFR pY1197 antibody. Lane 1: unstimulated A431 cells





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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-84815PEP	EGFR Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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