

Mouse anti-Human EGFR Monoclonal Antibody | anti-EGFR antibody

EGFR

CATALOG # AAA58778	HOST Mouse	REACTIVITY Human
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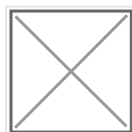
PRODUCT SYNONYMS

EGFR; Monoclonal Antibody; anti-EGFR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Sequence Length	1426
Positive Control	Breast Carcinoma
Principles and Procedures	Visualization of the antigen present in tissue sections is accomplished in a multi-step immunohistochemical staining process, in conjunction with a horseradish peroxidase (HRP) or alkaline phosphatase (AP) linked detection system. The process involves the addition of the stated antibody (primary antibody) to a tissue slide, followed by a secondary antibody (linked to an enzyme complex) which specifically binds to the primary antibody. A chromogenic substrate is then added which reacts with the enzyme complex, resulting in a colorimetric reaction at the site of the antigen. Results are interpreted using a light microscope.
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Any further dilution may affect the quality of the staining signal or antibody-antigen interaction. The concentrated antibody requires dilution using an Antibody Diluent Buffer, to the recommended working dilution range listed prior to use.
Specimen Collection and Preparation for Analysis	Each tissue section should be fixed with 10% neutral buffered formalin, cut to the applicable thickness (4um), and placed on a glass slide that is positively charged. The prepared slide may then be baked for a minimum of 30 minutes in a 53-65 degree C oven (do not exceed 24 hours). Note: Performance evaluation has been shown on human tissues only. Variable results may occur due to extended fixation time or special processes of specific tissue preparations.
Preparation and Storage	Store at 2-8°C. To ensure stability, immediately replace vial back in the refrigerator after each use. When stored correctly, the antibody is stable until the expiry date indicated on the label.

IMAGES



IHC (Immunohistochemistry)
EGFR [IHC565] on Placenta

ADDITIONAL INFORMATION

Related Product Information for anti-EGFR antibody	Intended Use: The EGFR [IHC565] antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods. Description: Epidermal Growth Factor Receptor (EGFR) is a tyrosine kinase present in gliocytes, epithelial cells, fibroblasts, keratinocytes, and other cell types. EGFR is overexpressed in various cancers including those of the colon, pancreas, oropharynx, stomach, and non-small cell lung, as well as head and neck squamous carcinoma and anal squamous carcinoma. EGFR expression is common in breast cancer, especially in triple-negative and basal-like breast carcinomas, and recent research has also found EGFR expressed in malignant bone and soft tissue cancers. Anti-EGFR is useful for detecting epithelioid and synovial sarcoma.
References	1. Vranic S, et al. Mod Pathol. 2010; 23:644-53. 2. Cascio MJ, et al. Mod Pathol. 2010; 23:574. 3. Tawbi H, et al. Oncologist. 2008; 13:459. 4. Ch'ng S, et al. Hum Pathol. 2008; 39:344-9. 5. Van Damme, et al. BMC Cancer. 2010; 10:189.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17136536
NCBI GeneID	37455
NCBI Accession #	NP_476759.1
NCBI GenBank Nucleotide #	NM_057411.4
UniProt Accession #	P04412; O18370; O61601; P81868; Q9W2G0
Molecular Weight	153,700 Da
NCBI Official Full Name	epidermal growth factor receptor, isoform B
NCBI Official Synonym Full Names	Epidermal growth factor receptor
NCBI Official Symbol	Egfr
NCBI Official Synonym Symbols	C-erb; c-erbB; CG10079; D-Egf; d-egf-r; D-EGFR; degfr; dEgfr; dEGFr; dEGFR; Degfr; DEgfr; DEGFR; dEGFR1; der; Der; DER; DER flb; DER/EGFR; DER/top; DER/torpedo; DER1; DmelCG10079; DmHD-33; EC2-4; EFG-R; Egf; Egf-r; EGF-R; egfr; EgfR; EGfr; EGFr; EGFR; EK2
NCBI Protein Information	epidermal growth factor receptor
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	Egfr
UniProt Synonym Gene Names	c-erbB; DER; top; Egfr

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/egfr-antibody-elisa/58778>