

À des fins de recherche uniquement

Anticorps Monoclonal anti-EGFR

Numéro de catalogue: 66455-1-Ig

Phare

40 Publications



Informations de base

Numéro de catalogue: 66455-1-Ig	Numéro d'acquisition GenBank: BC094761	Méthode de purification: Purification par protéine G
Taille: 150ul, Concentration: 2300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 1956	CloneNo.: 2A2H10
Hôte: Mouse	Nom complet: epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:1000-1:4000
Isotype: IgG1	MW calculé 1210 aa, 134 kDa	
Immunogen Catalog Number: AG24947	MW observés: 145-165 kDa	

Applications

Applications testées:

FC, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain

Espèces citées:

Humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules A431, cellules A549, cellules EC109, cellules HeLa, cellules HepG2, cellules LNCaP, cellules MDA-MB-231, cellules MDA-MB-468, cellules PC-3, cellules PC-3, cellules SKOV-3

IHC : tissu d'amygdalite humaine, tissu de cancer de la peau humaine, tissu de cancer du col de l'utérus humaine, tissu de cancer du côlon humaine, tissu de cancer du poumon humaine, tissu de cancer du sein humaine, tissu de gliome humaine

Informations générales

EGFR, also named as ERBB1, is a cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. The gene resides on chromosome 7p12, encoding a 170 kDa membrane-associated glycoprotein. Recent studies have shown EGFR plays a critical role in cancer development and progression, including cell proliferation, apoptosis, angiogenesis, and metastatic spread. Mutations in this gene are associated with lung cancer.

Publications notables

Autrice	Pubmed ID	Journal	Application
Dali Zhao	3455268	FEBS Open Bio	WB
Huilan Li	33076176	Talanta	WB,IF
Jiarui Cui	36187764	Front Physiol	IHC

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

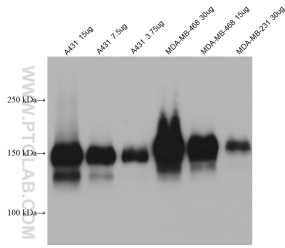
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

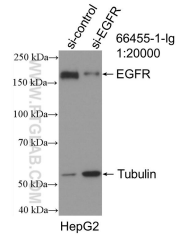
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Données de validation sélectionnées



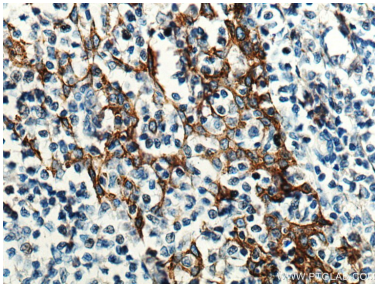
Various lysates were subjected to SDS PAGE followed by western blot with 66455-1-Ig (EGFR antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



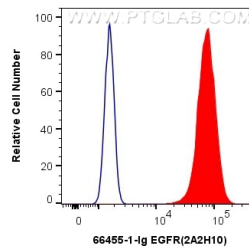
WB result of EGFR antibody (66455-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EGFR transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66455-1-Ig (EGFR antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66455-1-Ig (EGFR antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ A431 cells were intracellularly stained with 0.4 ug Anti-Human EGFR (66455-1-Ig, Clone:2A2H10) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).