

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ERBB4



Numéro de catalogue: 19943-1-AP

13 Publications

Informations de base

Numéro de catalogue: 19943-1-AP	Numéro d'acquisition GenBank: NML_001042599	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 2066	Dilutions recommandées: WB 1:200-1:1000 IHC 1:50-1:500
Hôte: Lapin	Nom complet: v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	
Isotype: IgG	MW calculé: 147 kDa	
	MW observés: 180 kDa, 147 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, porc, souris

Contrôles positifs:

WB : tissu cérébral de souris, cellules MCF-7, tissu cérébral de rat

IHC : tissu pulmonaire de souris, tissu rénal 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.

Informations générales

ERBB4, also named as p180erbB4 and HER4, belongs to the protein kinase superfamily, Tyr protein kinase family and EGF receptor subfamily. ERBB4 specifically binds and it is activated by neuregulins, NRG-2, NRG-3, heparin-binding EGF-like growth factor, betacellulin and NTAK. Interaction with these factors induces cell differentiation. ERBB4 is not activated by EGF, TGF- α , and amphiregulin. ERBB4 catalyze the reaction: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. The antibody recognize the C-term of ERBB4. Alternatively spliced variants which encode different protein isoforms with calculated molecular weight of 144-147 kDa have been described. The apparent molecular weight of full-length ERBB4 is 150-200 kDa due to glycosylation and phosphorylation. Full-length ERBB4 can be cleaved into an 80-kDa ERBB4 intracellular fragment and a 120-kDa extracellular fragment (PMID: 11343971; 16251361).

Publications notables

Autrice	Pubmed ID	Journal	Application
Hongbing Li	31556771	Acta Otolaryngol	IHC
Xiao-Pei Yang	27756321	J Neuroinflammation	WB
Shi Liu	33021020	Kaohsiung J Med Sci	WB

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.

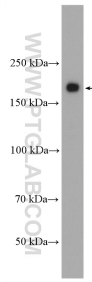
For technical support and original validation data for this product please contact:

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

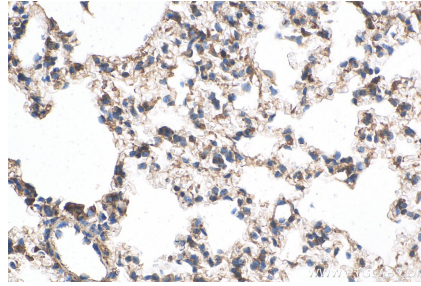
E: proteintech@ptglab.com
W: ptglab.com

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

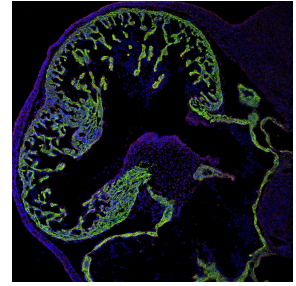
Données de validation sélectionnées



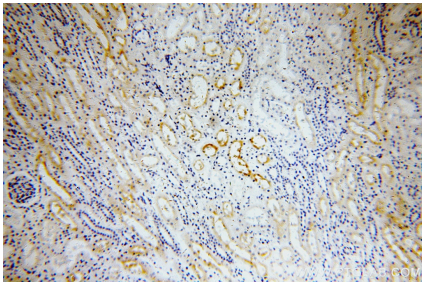
mouse brain tissue were subjected to SDS PAGE followed by western blot with 19943-1-AP (ERBB4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



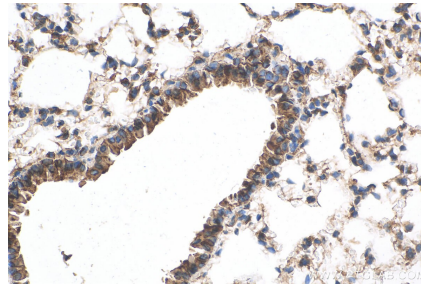
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 19943-1-AP (ERBB4 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Frozen tissue section of embryonic mouse heart (E12.5) was stained for cardiac troponin-T/cTnT (green) and ErbB4 (red, Cat. No 19943-1-AP) with DAPI as a counterstain for visualizing the nucleus (blue). cTnT stains cardiomyocytes and was visualized with an Alexa Fluor 488 secondary antibody. ErbB4 is a key member of ErbB signaling and involved in development and was visualized with an Alexa Fluor 555 secondary antibody. The Image and figure legends are intellectual



Immunohistochemical analysis of paraffin-embedded human kidney using 19943-1-AP (ERBB4 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 19943-1-AP (ERBB4 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).