

Datasheet for ABIN5962106
anti-NEURL antibody (Tyr1248)



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1 Image

Overview

Quantity:	200 µL
Target:	NEURL
Binding Specificity:	Tyr1248
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEURL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthesized peptide derived from human Neu around the non-phosphorylation site of Tyr1248.
Isotype:	IgG
Specificity:	Verb b2 erythroblastic leukemia viral oncogene homolog 2,neuro/glioblastoma derived oncogene homolog,C erb B2/neu protein,CD340,CD340 antigen,Cerb B2/neu protein,CerbB2,Erb b2 receptor tyrosine kinase 2,ERBB2,ERBB2,HER 2,HER 2/NEU,HER2,Herstatin,Human epidermal growth factor receptor 2,Metastatic lymph node gene 19 protein,MLN 19,MLN19,NEU,NEU proto oncogene,Neuro/glioblastoma derived oncogene homolog,Neuroblastoma/glioblastoma derived oncogene homolog,NGL,p185erbB2,Proto-oncogene c-ErbB-2,Proto-oncogene Neu,Receptor tyrosine-protein kinase erbB-2,TKR1,Tyrosine kinase type cell surface receptor HER2,Tyrosine kinase-type cell surface receptor HER2,V erb b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog),V erb b2 avian erythroblastic leukemia viral oncogene homolog 2,V erb b2

Product Details

avian erythroblastic leukemia viral oncoprotein 2,V erb b2 erythroblastic leukemia viral oncogene homolog 2,neuro/glioblastoma derived oncogene homolog (avian),V erb b2 erythroblastic leukemia viral oncogene homolog 2,neuro/glioblastoma derived oncogene homolog,Verb b2 erythroblastic leukemia viral oncogene homolog 2,neuro/glioblastoma derived oncogene homolog (avian)

Purification: Affinity purification

Target Details

Target: NEURL

Alternative Name: Neu ([NEURL Products](#))

Background: Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization. In the nucleus is involved in transcriptional regulation. Associates with the 5'-TCAAATTC-3' sequence in the PTGS2/COX-2 promoter and activates its transcription. Implicated in transcriptional activation of CDKN1A, the function involves STAT3 and SRC. Involved in the transcription of rRNA genes by RNA Pol I and enhances protein synthesis and cell growth.

Molecular Weight: 138kDa

Gene ID: 2064

UniProt: [P04626](#)

Pathways: [Notch Signaling](#), [EGFR Signaling Pathway](#)

Application Details

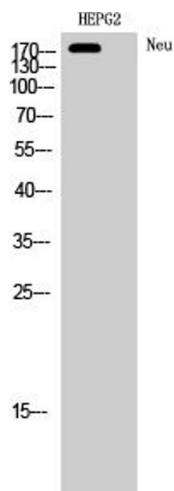
Application Notes: WB 1:500-1:2000, IHC 1:100-1:300, ELISA 1:5000

Restrictions: For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1.