ARG57179
anti-PEBP1 / RKIP antibody [4B11]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4B11] recognizes PEBP1 / RKIP
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	4B11
Isotype	IgG2b, kappa
Target Name	PEBP1 / RKIP
Species	Human
Immunogen	Recombinant fragment around aa. 1-187 of Human PEBP1 / RKIP
Conjugation	Un-conjugated
Alternate Names	PEBP; PBP; HCNP; HEL-S-34; RKIP; Prostatic-binding protein; HCNPpp; Phosphatidylethanolamine-binding protein 1; Raf kinase inhibitor protein; Neuropolypeptide h3; HEL-210; PEBP-1

Application Instructions

Application table

Application	Dilution
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

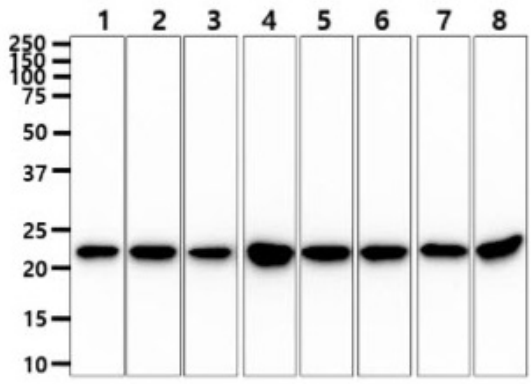
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 5037 Human Swiss-port # P30086 Human
Gene Symbol	PEBP1
Gene Full Name	phosphatidylethanolamine binding protein 1
Background	This gene encodes a member of the phosphatidylethanolamine-binding family of proteins and has been shown to modulate multiple signaling pathways, including the MAP kinase (MAPK), NF-kappa B, and glycogen synthase kinase-3 (GSK-3) signaling pathways. The encoded protein can be further processed to form a smaller cleavage product, hippocampal cholinergic neurostimulating peptide (HCNP), which may be involved in neural development. This gene has been implicated in numerous human cancers and may act as a metastasis suppressor gene. Multiple pseudogenes of this gene have been identified in the genome. [provided by RefSeq, Jul 2015]
Function	Binds ATP, opioids and phosphatidylethanolamine. Has lower affinity for phosphatidylinositol and phosphatidylcholine. Serine protease inhibitor which inhibits thrombin, neuropsin and chymotrypsin but not trypsin, tissue type plasminogen activator and elastase (By similarity). Inhibits the kinase activity of RAF1 by inhibiting its activation and by dissociating the RAF1/MEK complex and acting as a competitive inhibitor of MEK phosphorylation. HCNP may be involved in the function of the presynaptic cholinergic neurons of the central nervous system. HCNP increases the production of choline acetyltransferase but not acetylcholinesterase. Seems to be mediated by a specific receptor (By similarity). [UniProt]
Calculated Mw	21 kDa

Images



ARG57179 anti-PEBP1 / RKIP antibody [4B11] WB image

Western blot: 40 µg of 1) HeLa, 2) SKOV3, 3) A549, 4) HepG2, 5) MCF7, 6) K562, 7) LnCap, and 8) Ramos cell lysates stained with ARG57179 anti-PEBP1 / RKIP antibody [4B11] at 1:1000.