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anti-BMPR1B antibody (C-Term)

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Overview	
Quantity:	400 μL
Target:	BMPR1B
Binding Specificity:	AA 472-502, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMPR1B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This BMPR1B antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 472-502 amino acids from the C-terminal region of human BMPR1B.
Clone:	RB01776
Isotype:	Ig Fraction
Predicted Reactivity:	C, M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.
Target Details	
Target:	BMPR1B

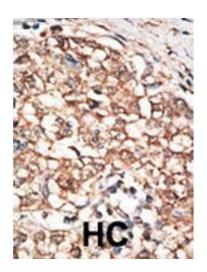
Target Details

Alternative Name:	BMPR1B (BMPR1B Products)
Background:	The bone morphogenetic protein (BMP) receptors are a family of transmembrane
	serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II
	receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and
	ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas
	and activins transduce their signals through the formation of heteromeric complexes with 2
	different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and
	type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I
	receptors, but they require their respective type I receptors for signaling, whereas type I
	receptors require their respective type II receptors for ligand binding.
Molecular Weight:	56930
Gene ID:	658
NCBI Accession:	NP_001194, NP_001243721, NP_001243722, NP_001243723
UniProt:	000238
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small
	aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Product cited in:

Hedlund, Karlsson, Osborn, Ludwig, Isacson: "Global gene expression profiling of somatic motor neuron populations with different vulnerability identify molecules and pathways of degeneration and protection." in: **Brain: a journal of neurology**, Vol. 133, Issue Pt 8, pp. 2313-30, (2010) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Western Blotting

Image 2. Western blot analysis of anti-BR1B Pab ap2005b in NCI- cell lysate. BR1B (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.