

Datasheet for ABIN3030187
anti-BMPR1A antibody (AA 166-195)



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3 Images

Overview

Quantity:	0.2 mL
Target:	BMPR1A
Binding Specificity:	AA 166-195
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMPR1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 166-195 from the human protein was used as the immunogen for this ALK3 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	BMPR1A
Alternative Name:	ALK3 (BMPR1A 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

Target Details

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.

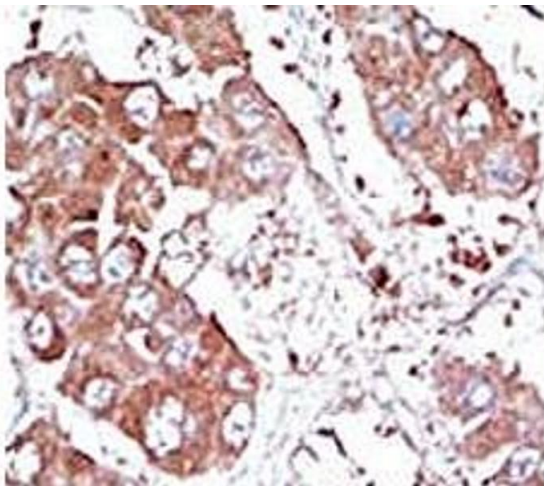
UniProt:	P36894
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	Titration of the ALK3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

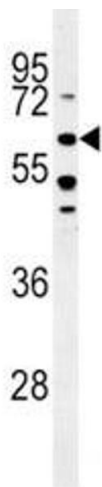
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the ALK3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



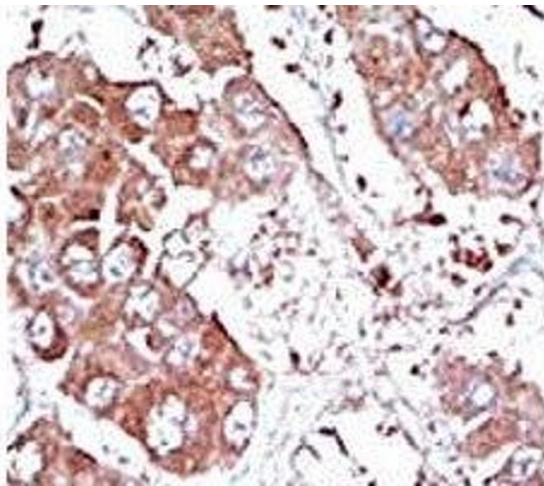
Immunohistochemistry

Image 1. IHC analysis of FFPE human hepatocarcinoma tissue stained with the ALK3 antibody



Western Blotting

Image 2. ALK3 western blot analysis in HeLa lysate



Immunohistochemistry

Image 3. IHC analysis of FFPE human hepatocarcinoma tissue stained with the ALK3 antibody