

Datasheet for ABIN3030186
anti-BMPR1A antibody (AA 30-60)[Go to Product page](#)

6 Images

Overview

Quantity:	0.4 mL
Target:	BMPR1A
Binding Specificity:	AA 30-60
Reactivity:	Human
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 30-60 from the human protein was used as the immunogen for this ALK3 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat
Purification:	Purified

Target Details

Target:	BMPR1A
Alternative Name:	ALK3 (BMPR1A Products)
Background:	The bone morphogenetic protein (BMP) receptors are a family of transmembrane

Target Details

serine/threonine kinases that include the type I receptors BMPR1A/ALK3 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.

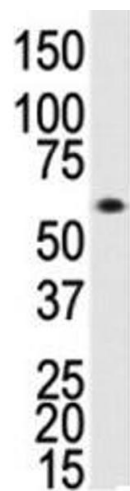
UniProt:	P36894
Pathways:	Stem Cell Maintenance

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

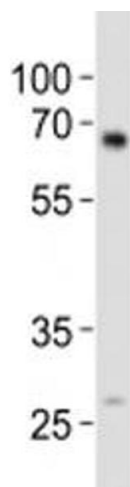
Handling

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.



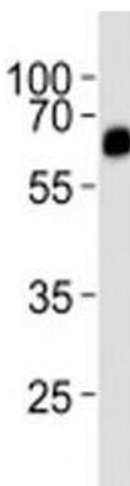
Western Blotting

Image 1. Western blot analysis of ALK3 antibody and human Saos-2 cell lysate. Predicted molecular weight ~60 kDa.



Western Blotting

Image 2. Western blot analysis of lysate from mouse kidney tissue using ALK3 antibody diluted at 1:1000.



Western Blotting

Image 3. Western blot analysis of lysate from rat uterus tissue lysate using ALK3 antibody diluted at 1:1000.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3030186.