

Datasheet for ABIN3030185
anti-BMPR1A antibody (AA 1-30)



[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	BMPR1A
Binding Specificity:	AA 1-30
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMPR1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 1-30 from the human protein was used as the immunogen for this BMPR1A antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	BMPR1A
Alternative Name:	BMPR1A (BMPR1A Products)
Background:	On ligand binding, BMPR1A forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators.

Target Details

	Receptor for BMP-2 and BMP-4. Positively regulates chondrocyte differentiation through GDF5 interaction (By similarity). [UniProt]
UniProt:	P36894
Pathways:	Stem Cell Maintenance

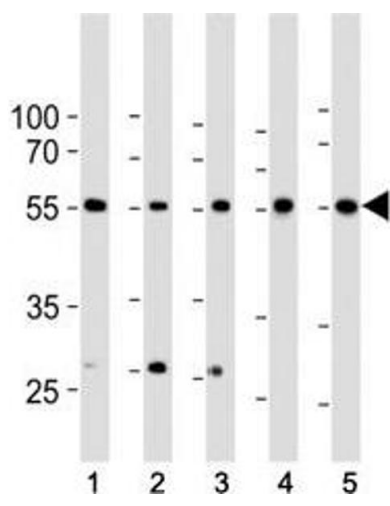
Application Details

Application Notes:	Titration of the BMPR1A antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only

Handling

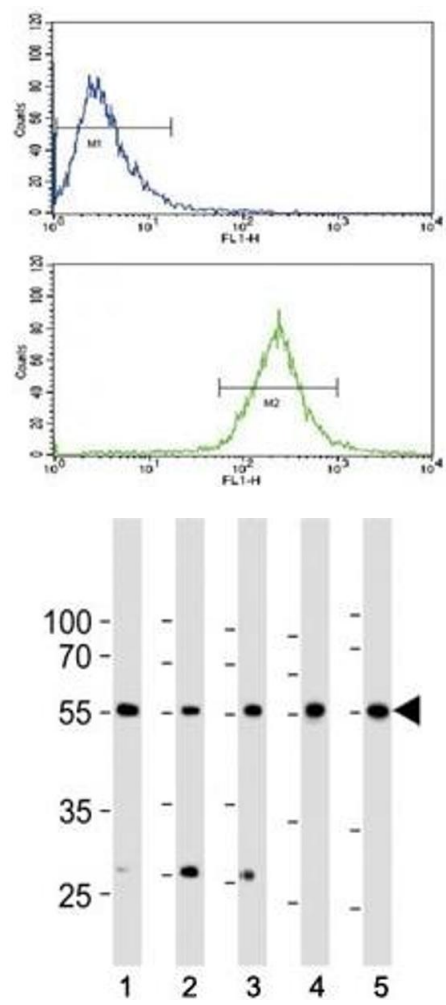
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the BMPR1A antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of lysate from 1) HeLa, 2) K562, 3) MCF-7 cell line, 4) human liver and 5) mouse liver tissue lysate using BMPR1A antibody at 1:1000. Predicted molecular weight ~60 kDa.



Flow Cytometry

Image 2. Flow cytometric analysis of WiDr cells using BMPR1A antibody (blue) compared to a negative control (green). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Western Blotting

Image 3. Western blot analysis of lysate from 1) HeLa, 2) K562, 3) MCF-7 cell line, 4) human liver and 5) mouse liver tissue lysate using BMPR1A antibody at 1:1000. Predicted molecular weight ~60 kDa.