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Datasheet for ABIN1701367

anti-ACTR1 antibody (AA 65-160) (Biotin)

Overview

Quantity:	100 µL
Target:	ACTR1
Binding Specificity:	AA 65-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACTR1 antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SKR1/ACTR1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	ACTR1
Alternative Name:	ACTR1 (ACTR1 Products)

Target Details

Background:	<p>Synonyms: Activin Receptor Type IA, Activin A receptor type I, Activin A receptor type II like kinase 2, Activin receptor type I, Activin receptor type-1, Activin receptor-like kinase 2, ACTR1, ACTR 1, ACTR-1, ACTR-I, ACTRI, ACVR 1, ACVR1, ACVR1_HUMAN, ACVR1A, ACVRLK 2, ACVRLK2, ALK 2, ALK-2, ALK2, FOP, Hydroxyalkyl protein kinase, Serine/threonine protein kinase receptor R1, Serine/threonine-protein kinase receptor R1, SKR 1, SKR1, TGF-B superfamily receptor type I, TGFB superfamily receptor type I, TSR-I, TSRI, TSRI.</p> <p>Background: Members of the transforming growth factor b superfamily bind to a pair of transmembrane proteins, known as receptor types I and II, which contain serine/threonine kinases and associate to form a signaling complex (1). Activin has been shown to bind a heteromeric noncovalent complex, which consists of a type I receptor, ACTR-IA (also designated ACVRI and ALK-2) or ACTR-IB (also designated ALK-4 and SKR2), and a type II receptor, ACTR-IIA (also designated ACVR2A) or ACTR-IIB (also designated ACVR2B) (16). Both receptor types are highly expressed in brain (5). The activin receptor family members are thought to mediate distinct effects on gene expression, cell differentiation, and morphogenesis in a dose dependent fashion (5,6).</p>
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Gene ID:	90
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Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months