For Research Use Only

SMAD4 Monoclonal antibody

Catalog Number:60182-1-Ig 1 Publications

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Basic Information

Catalog Number:
60182-1-Ig

Size:
150ul , Concentration: 1200 µg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG0299

GenBank Accession Number:
BC002379

GeneID (NCBI):
4089

UNIPROT ID:
Q13485

Full Name:
SMAD family member 4

Calculated MW:
60 kDa

Observed MW:
63 kDa

Purification Method:
Protein A purification

CloneNo.:
3H5H1

Applications

Tested Applications:
ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human

Background Information

Mammalian homologs of the Drosophila Mad gene include Smad1, Smad2, Smad3, Smad4 (DPC4), Smad5, Smad6, Smad7 and Smad8. Smad1 and Smad5 are effectors of BMP2 and BMP4 function while Smad2 and Smad3 are involved in TGF and activin-mediated growth modulation. Smad4 has been shown to mediate all of the above activities through interactionwith various Smad family members . Smad6 and Smad7 regulate the response to activin/ TGF signaling by interfering with TGF -mediated phosphorylation of other Smad family members. This antibody is a mouse monoclonal antibody raised against an internal region of human SMAD4.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiangzhi Li	38684635	Photochem Photobiol Sci	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data