

Smad1 (Phospho-Ser465) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP52355

Product Information

Application	WB, IHC
Primary Accession	Q15797
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Additional Information

Other Names	Mothers against decapentaplegic homolog 1, MAD homolog 1, Mothers against DPP homolog 1, JV4-1, Mad-related protein 1, SMAD family member 1, SMAD 1, Smad1, hSMAD1, Transforming growth factor-beta-signaling protein 1, BSP-1, SMAD1, BSP1, MADH1, MADR1
Dilution	WB~~1:1000 IHC~~1:50~100
Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20°C

Protein Information

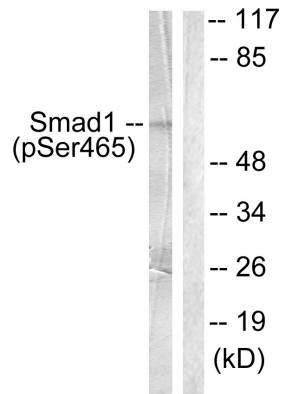
Background

Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD). SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1. May act synergistically with SMAD4 and YY1 in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression.

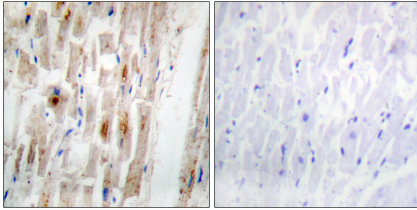
References

- Riggins G.J., et al. Nat. Genet. 13:347-349(1996).
Liu F., et al. Nature 381:620-623(1996).
Hoodless P.A., et al. Cell 85:489-500(1996).
Lechleider R.J., et al. J. Biol. Chem. 271:17617-17620(1996).
Zhang Y., et al. Nature 383:168-172(1996).

Images



Western blot analysis of extracts from HeLa cells treated with Serum (10%, 15min), using Smad1 (phospho-Ser465) antibody.



Immunohistochemical analysis of paraffin-embedded human heart tissue, using Smad1 (phospho-Ser465) antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.