

Smad2(Ab-467) Antibody

Catalog No: #21322

Package Size: #21322-1 50ul #21322-2 100ul

Description

Product Name	Smad2(Ab-467) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Smad2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 463~467 (C-S-S-M-S) derived from Human Smad2.
Conjugates	Unconjugated
Target Name	Smad2
Other Names	Mad-related protein 2
Accession No.	Swiss-Prot: Q15796NCBI Protein: NP_001003652.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

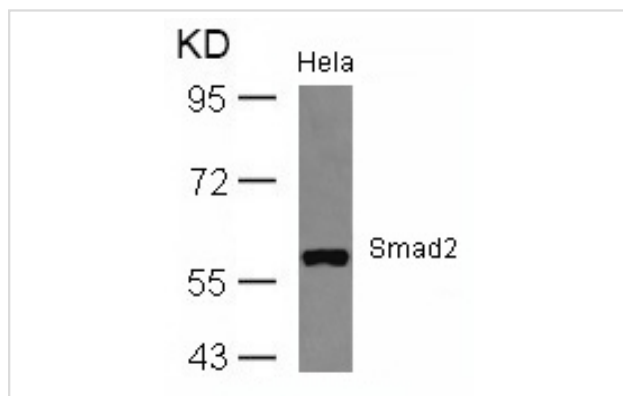
Application Details

Predicted MW: 60kd

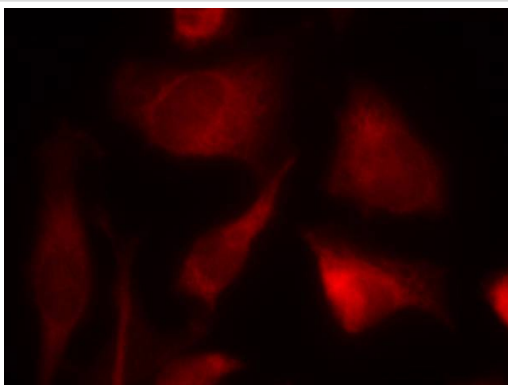
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from HeLa cells using Smad2(Ab-467) Antibody #21322.



Immunofluorescence staining of methanol-fixed HeLa cells using Smad2(Ab-467) Antibody #21322.

Background

Transcriptional modulator activated by TGF-beta and activin type 1 receptor kinase. SMAD2 is a receptor-regulated SMAD (R-SMAD). May act as a tumor suppressor in colorectal carcinoma.

Sang Gyun Kim et al. (2004) Mol Biol Cell. February; 15(2): 420

Published Papers

el at., High glucose increases Cdk5 activity in podocytes via transforming growth factor- ϵ Y1 signaling pathway. In Exp Cell Res on 2014 Aug 15 by Yue Zhang, Hongbo Li et al..PMID: 24768698 , , (2014)

[PMID:24768698](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.