Product Datasheet

SMURF2 Antibody

Catalog No: #37124

Package Size: #37124-1 50ul #37124-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

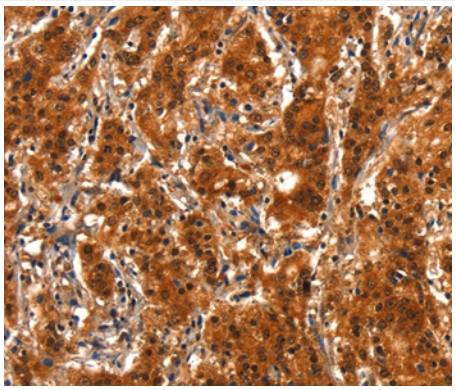
Description

Product Name	SMURF2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous levels of total SMURF2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human SMAD specific E3 ubiquitin protein ligase 2
Conjugates	Unconjugated
Target Name	SMURF2
Other Names	DKFZp686F0270;SMUF2; SMURF2
Accession No.	Swiss-Prot#: Q9HAU4NCBI Gene ID: 64750Gene Accssion: NP_073576
Concentration	1.7mg/ml
Formulation	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Storage	Store at -20°C

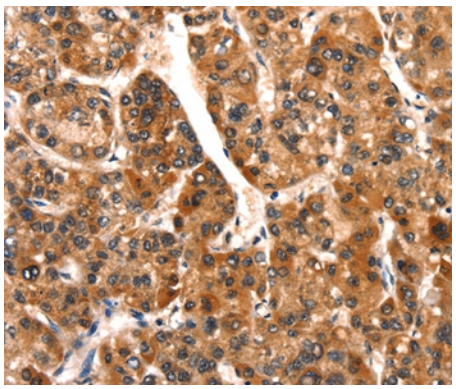
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using #37124 at dilution 1/15.



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #37124 at dilution 1/15.

Background

E3 ubiquitin-protein ligase SMURF2?is an?enzyme?that in humans is encoded by the?SMURF2?gene. E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Interacts with SMAD1 and SMAD7 in order to trigger their ubiquitination and proteasome-dependent degradation. In addition, interaction with SMAD7 activates autocatalytic degradation, which is prevented by interaction with SCYE1. Forms a stable complex with the TGF-beta receptor-mediated phosphorylated SMAD2 and SMAD3.

Published Papers

el at., Everolimus Alleviates Renal Allograft Interstitial Fibrosis by Inhibiting Epithelial-to-Mesenchymal Transition Not Only via Inducing Autophagy but Also via Stabilizing IκB-α.In Front Immunol. 2022 Jan 24 by Zeping Gui , Chuanjian Suo,et al.PMID: 35140705, , (2022)

PMID:35140705

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