

## SMURF2 Antibody

Catalog No: #37124

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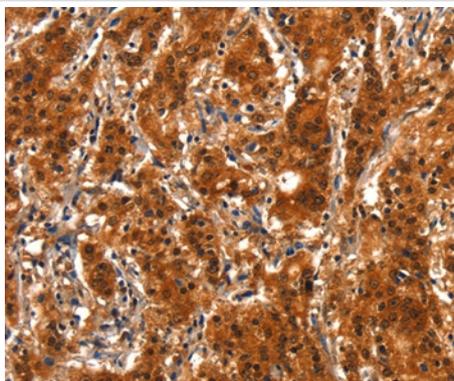
## Description

Product Name	SMURF2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu Ms
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
Target Name	SMURF2
Other Names	DKFZp686F0270;SMUF2; SMURF2
Accession No.	Swiss-Prot#: Q9HAU4NCBI Gene ID: 64750Gene Accssion: NP_073576
Uniprot	Q9HAU4
GeneID	64750;
Concentration	1.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

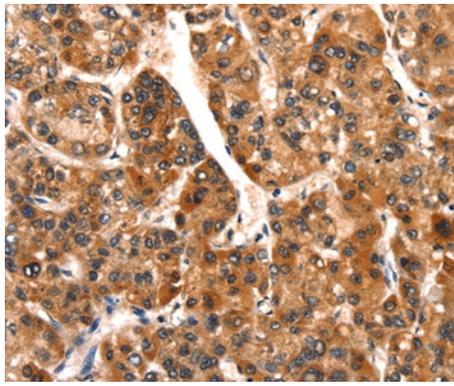
## Application Details

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.

Note: This product is for in vitro research use only