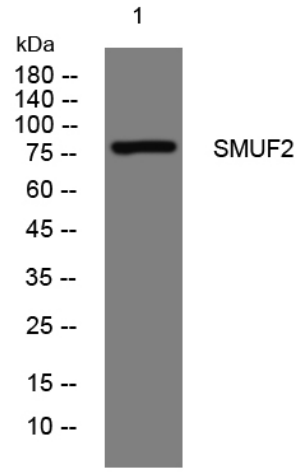
SMUF2 rabbit pAb

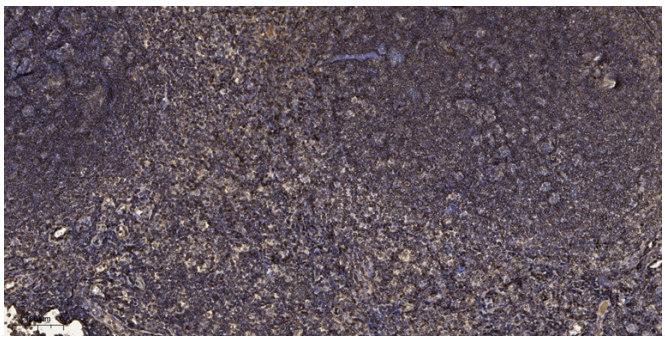
Catalog No	YP-Ab-11811
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB;IHC
Gene Name	SMURF2
Immunogen	Synthesized peptide derived from human SMUF2 AA range: 505-555
Specificity	This antibody detects endogenous levels of SMUF2 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	hSMURF2;SMURF2;SMUF2
Observed Band	
Calculated Molecular Weight	86kD
Cell Pathway	Nucleus . Cytoplasm . Cell membrane . Membrane raft . Cytoplasmic in the presence of SMAD7. Colocalizes with CAV1, SMAD7 and TGF-beta receptor in membrane rafts.
Tissue Specificity	Widely expressed.
Function	domain:The C2 domain is involved in autoinhibition of the catalytic activity by interacting with the HECT domain.,domain:The second and third WW domains are responsible for interaction with the PY-motif of R-SMAD (SMAD1, SMAD2 and SMAD3).,function: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. In this way, SMAD2 may recruit substrates, such as SNON, for ubiquitin-mediated

	degradation. Enhances the inhibitory activity of SMAD7 and reduces
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).