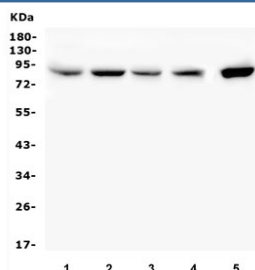


## SMURF2 Antibody (RQ5537)

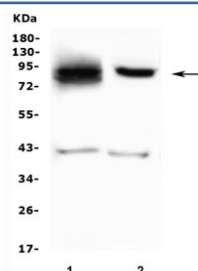
Catalog No.	Formulation	Size
RQ5537	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q9HAU4
<b>Applications</b>	Western Blot : 0.25-0.5ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This SMURF2 antibody is available for research use only.



Western blot testing of 1) rat testis, 2) rat pancreas, 3) rat stomach, 4) mouse testis and 5) mouse pancreas lysate with SMURF2 antibody. Predicted molecular weight ~86 kDa.



Western blot testing of human 1) A549 and 2) HepG2 lysate with SMURF2 antibody. Predicted molecular weight ~86 kDa.

## Description

E3 ubiquitin-protein ligase SMURF2 is an enzyme that in humans is encoded by the SMURF2 gene. The SMURF2 gene is mapped to chromosome 17q22-q23 based on sequence similarity between the SMURF2 sequence and a genomic contig. SMURF2 is a HECT domain E3 ubiquitin ligase involved in degradation of SMADs, TGF-beta receptor (TGFB $\beta$ ), and other substrates. It also functions in regulation of neuronal and planar cell polarity, induction of senescence, and tumor suppression.

## Application Notes

Optimal dilution of the SMURF2 antibody should be determined by the researcher.

## Immunogen

A human recombinant protein (amino acids W303-Q387) was used as the immunogen for the SMURF2 antibody.

## Storage

After reconstitution, the SMURF2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.