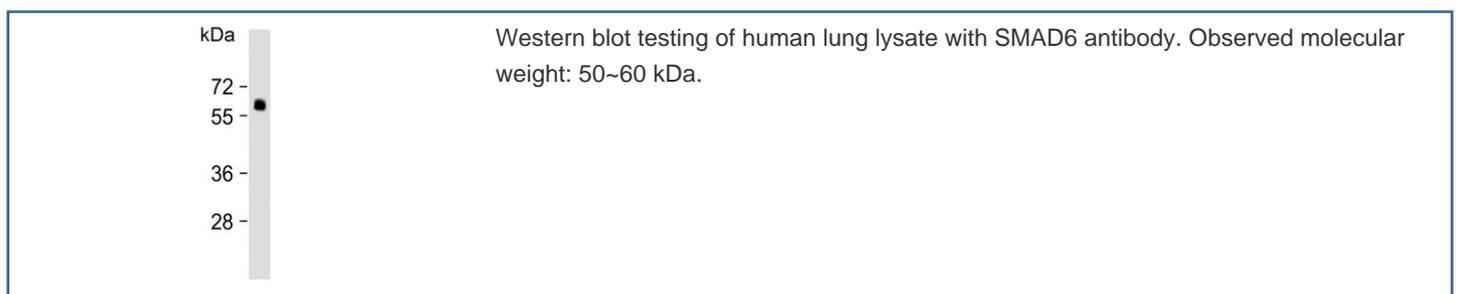


SMAD6 Antibody (F49135)

Catalog No.	Formulation	Size
F49135-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49135-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O43541
Applications	Western Blot : 1:1000
Limitations	This SMAD6 antibody is available for research use only.



Description

SMAD6 acts as a mediator of TGF-beta and BMP anti-inflammatory activity. Suppresses IL1R-TLR signaling through its direct interaction with PEL1, preventing NF-kappa-B activation, nuclear transport and NF-kappa-B-mediated expression of proinflammatory genes. May block the BMP-SMAD1 signaling pathway by competing with SMAD4 for receptor-activated SMAD1-binding. Binds to regulatory elements in target promoter regions. [UniProt]

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the SMAD6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 358-386 from the human protein was used as the immunogen for this SMAD6 antibody.

Storage

Store at 4°C for up to one month. For long term, aliquot the SMAD6 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.