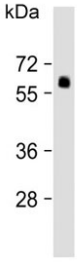
# SMAD6 Antibody (F49135)

| 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. |




Western blot testing of human lung lysate with SMAD6 antibody. Observed molecular weight: 50~60 kDa.

## Description

SMAD6 acts as a mediator of TGF-beta and BMP antiflammatory 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 4oC for up to one month. For long term, aliquot the SMAD6 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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