

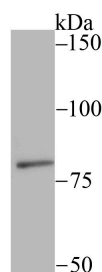
Anti-SMURF2 Antibody (2L792)

Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 86 kDa.
Clone:	2L792
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of SMURF 2 on A431 cell using anti-SMURF 2 antibody at 1/200 dilution.



Application:	WB
Recommended	WB: 1:500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q9HAU4
Synonyms:	SMAD ubiquitination regulatory factor 2;SMAD-specific E3 ubiquitin-protein ligase 2;E3 ubiquitin-protein ligase SMURF2;hSMURF2;HECT-type E3 ubiquitin transferase SMURF2;SMURF2

Research Background

Smurf1 and Smurf2 (SMAD ubiquitination regulatory factor-1 and 2) are members of the Hect family of proteins, which also includes the ubiquitin (Ub) E3-type ligases Nedd3 and E6-AP. E3 ligases are involved in the enzymatic reactions of the Ub conjugating pathway, which targets proteins for degradation by the 26S proteasome. Within the Ub pathway, the E3 ligases specifically catalyze the transfer of Ub from the Ub-conjugating enzymes to the individual protein substrate. As an E3 ligase, Smurf1 selectively interacts with receptor-regulated SMADs specific to the BMP pathway in order to trigger their ubiquitination and degradation. Smurf2 interacts with receptor-activated Smads (R-Smads), including Smad1, Smad2, and Smad3, but not Smad4. Although Smurf2 localizes to the nucleus, binding to Smad7 induces its export and its recruitment to the activated TGF β receptor, where it causes degradation

of Smad7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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