

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SMURF1 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 530131
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SMURF1 Met496-Glu757 Accession # Q9HCE7
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
<p>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.</p>	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
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PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Smurf-1 is a 757 amino acids E3 ubiquitin-protein ligase encoded by the SMURF1 gene. Smurf-1 ubiquitinates receptor regulated SMAD proteins acting as a negative regulator of BMP signaling pathway, and it has been shown to inhibit osteoblast differentiation by targeting Runx2, the master regulator of osteoblast differentiation, for degradation.

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