

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects recombinant mouse Shh C-terminal peptide in direct ELISAs and Western blots. Does not cross-react in direct ELISAs with rmDhh C- or N-terminal peptides, rmlhh C- or N-terminal peptides, rhShh N-terminal peptide, or rmShh N-terminal peptide.
Source	Monoclonal Rat IgG _{2A} Clone # 55626
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Sonic Hedgehog Cys199-Ser437 Accession # Q62226.1
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

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.

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

Sonic Hedgehog (Shh) is a hedgehog protein that is instrumental in patterning the early embryo. It is cleaved by autoproteolysis to release an N-terminal signaling peptide that binds the multicomponent receptor complex containing the multi-pass transmembrane proteins Patched and Smoothened. The C-terminal peptide carries the protease domain which acts only in CIS. It also acts on a cholesterol transferase that covalently transfers the cholesterol molecule to the C-terminus of Shh-N.

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