

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse MSX1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human MSX1 Met1-Thr165 Accession # P28360
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.
Immunohistochemistry	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

MSX1 (Msh homeobox homology 1) is a member of the muscle segment homeobox gene family. MSX1 is involved in limb-pattern formation, craniofacial development, odontogenesis, and tumor growth inhibition. MSX1 functions as a transcriptional repressor. MSX1 has been shown to interact with the linker histone, H1B, and repress transcription of the MyoD promoter. Chromosomal abnormalities involving MSX1 have been associated with the Wolf-Hirschhorn syndrome characterized by heart defects and mental retardation.

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