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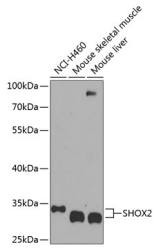
SHOX2 Polyclonal Antibody

Catalog No.	E-AB-62214	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western blot analysis of extracts of various cell lines using SHOX2 Polyclonal Antibody at dilution of 1:1000.

Immunogen Information

Immunogen	Recombinant fusion protein of human SHOX2 (NP_003021.3).
GeneID	6474
Swissprot	O60902
Synonyms	SHOX2,OG12,OG12X,SHOT

Product Information

Calculated MW	33kDa/34kDa/37kDa
Observed MW	30kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000

Background

This gene is a member of the homeobox family of genes that encode proteins containing a 60-amino acid residue motif that represents a DNA binding domain. Homeobox genes have been characterized extensively as transcriptional regulators involved in pattern formation in both invertebrate and vertebrate species. Several human genetic disorders are caused by aberrations in human homeobox genes. This locus represents a pseudoautosomal homeobox gene that is thought to be responsible for idiopathic short stature, and it is implicated in the short stature phenotype of Turner syndrome patients. This gene is considered to be a candidate gene for Cornelia de Lange syndrome. Alternative splicing results in multiple transcript variants.