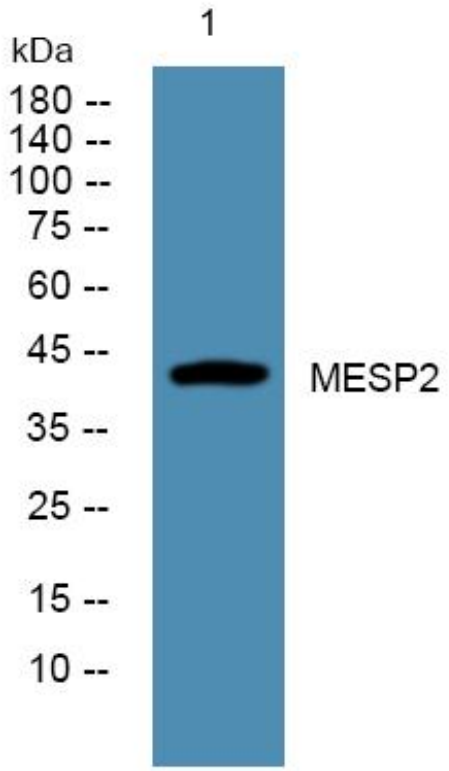
MESP2 Monoclonal Antibody

Catalog No	BYmab-04981
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	MESP2 BHLHC6 SCDO2
Protein Name	Mesoderm posterior protein 2 (Class C basic helix-loop-helix protein 6) (bHLHc6)
Immunogen	Synthesized peptide derived from human protein . at AA range: 220-300
Specificity	MESP2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	43kD
Cell Pathway	Nucleus .
Tissue Specificity	
Function	disease:Defects in MESP2 are the cause of spondylocostal dysostosis autosomal recessive type 2 (SCDO2) [MIM:608681]. Autosomal recessive spondylocostal dysostosis is a rare condition of variable severity associated with vertebral and rib segmentation defects. The main skeletal malformations include fusion of vertebrae, hemivertebrae, fusion of certain ribs, and other rib malformations. Deformity of the chest and spine (severe scoliosis, kyphoscoliosis and lordosis) is a natural consequence of the malformation and leads to a dwarf-like appearance. As the thorax is small, infants frequently have respiratory insufficiency and repeated respiratory infections resulting in life-threatening complications in the first year of life.,disease:Defects in MESP2 may be a cause of spondylothoracic dysostosis (STD).,function:Transcription factor with important role in somitogenesis. Defines the rostroca

Background	This gene encodes a member of the bHLH family of transcription factors and plays a key role in defining the rostrocaudal patterning of somites via interactions with multiple Notch signaling pathways. This gene is expressed in the anterior presomitic mesoderm and is downregulated immediately after the formation of segmented somites. This gene also plays a role in the formation of epithelial somitic mesoderm and cardiac mesoderm. Mutations in the MESP2 gene cause autosomal recessive spondylocostal dystosis 2 (SCD02). [provided by RefSeq, Oct 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MESP2 Monoclonal Antibody