

Product Datasheet

Myogenin Antibody / MYOG (orb385742)

Catalog Number	orb385742
Category	Antibodies
Description	<p>Myogenin is a member of the MyoD family of myogenic basic helix-loop-helix (bHLH) transcription factors that also includes MyoD, Myf-5, and MRF4 (also known as herculinor Myf-6). MyoD family members are expressed exclusively in skeletal muscle and play a key role in activating myogenesis by binding to enhancer sequences of muscle-specific genes. The regulatory domain of MyoD is approximately 70 amino acids in length and includes both a basic DNA binding motif and a bHLH dimerization motif. MyoD family members share about 80% amino acid homology in their bHLH motifs. Anti-myogenin labels the nuclei of myoblasts in developing muscle tissue, and is expressed in tumor cell nuclei of rhabdomyosarcoma and some leiomyosarcomas. Positive nuclear staining may occur in Wilms tumor.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Immunogen	Amino acids 138-158 from the rat protein were used as the immunogen for this Myogenin antibody.
UniProt ID	P15173
Tested applications	ELISA, IHC-P
Dilution range	ELISA (order BSA/sodium azide-free format for coating), Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT

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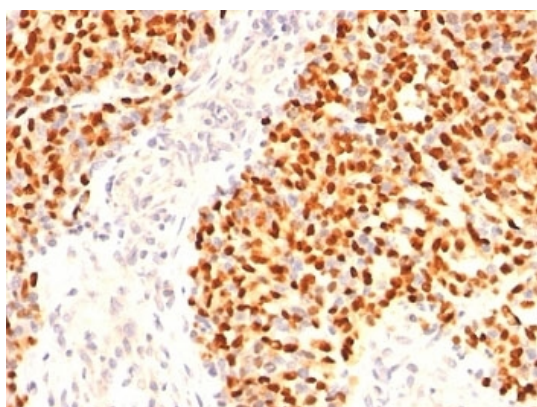
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Application notes	The optimal dilution of the Lambda antibody for each application should be determined by the researcher.1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
Antibody Type	Primary Antibody
Clone Number	F5D
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC: Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with Myogenin antibody (F5D)

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