HOXA1 rabbit monoclonal antibody

Catalog # H00003198-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HOXA1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HOXA1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HOXA1 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — HOXA1

Entrez GeneID	3198
GeneBank Accession#	HOXA1
Gene Name	HOXA1
Gene Alias	BSAS, HOX1, HOX1F, MGC45232
Gene Description	homeobox A1
Omim ID	142955 601536
Gene Ontology	Hyperlink
Gene Summary	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. Two transcript variants encoding two different isoforms have been found for this gene, with only one of the isoforms containing the homeodomain region. [provided by RefSeq
Other Designations	HOX A1 homeodomain protein|Hox 1.6-like protein|homeo box A1|homeobox 1F|homeobox protein HOX-A1|lab-like protein

Disease

- Asperger Syndrome
- Autistic Disorder
- Child Development Disorders
- Fragile X syndrome
- Functional Laterality
- Genetic Predisposition to Disease
- Mental Disorders
- Schizophrenia

- Social Perception