

HOXA1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3118a**Specification**

HOXA1 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P49639
Other Accession	NP_005513.1 , NP_705873.2 , 3198 , 15394 (mouse), 25607 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	36641

HOXA1 Antibody (internal region) - Additional Information**Gene ID** 3198**Other Names**

Homeobox protein Hox-A1, Homeobox protein Hox-1F, HOXA1, HOX1F

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HOXA1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

HOXA1 Antibody (internal region) - Protein Information**Name** HOXA1**Synonyms** HOX1F**Function**

Sequence-specific transcription factor (By similarity). Regulates multiple developmental processes including brainstem, inner and outer ear, abducens nerve and cardiovascular development and morphogenesis as well as cognition and behavior (PubMed:16155570). Also part of a

developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Acts on the anterior body structures. Seems to act in the maintenance and/or generation of hindbrain segments (By similarity). Activates transcription in the presence of PBX1A and PKNOX1 (By similarity).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P09022}.

HOXA1 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HOXA1 Antibody (internal region) - Images

HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human HOXA1 (RC222721) with C-terminal MYC tag probed with AF3118a (1ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with AF3118a (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

HOXA1 Antibody (internal region) - Background

This antibody is expected to recognize reported isoforms a and b (NP_005513.1; NP_705873.2).

HOXA1 Antibody (internal region) - References

Genes related to sex steroids, neural growth, and social-emotional behavior are associated with autistic traits, empathy, and Asperger syndrome. Chakrabarti B, Dudbridge F, Kent L, Wheelwright S, Hill-Cawthorne G, Allison C, Banerjee-Basu S, Baron-Cohen S, Autism research : official journal of

the International Society for Autism Research 2009 Jun 2 (3): 157-77. PMID: 19598235