HOXA1 Polyclonal Antibody

Catalog No: #42210

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Description

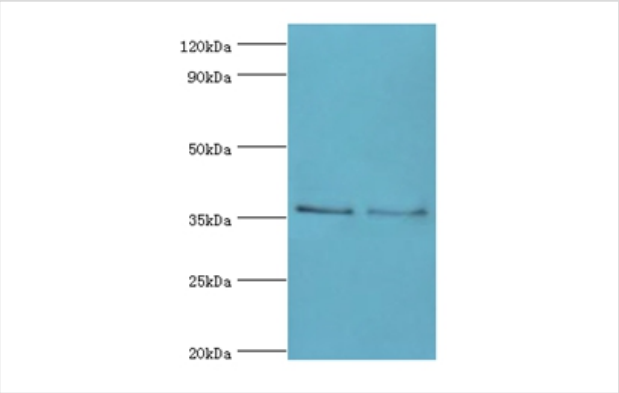
Product Name	HOXA1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total HOXA1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Homeobox protein Hox-A1 protein (75-205aa)
Target Name	HOXA1
Other Names	Homeobox protein Hox-1F, HOXA1, HOX1F
Accession No.	Swiss-Prot#: P49639
Uniprot	P49639
GeneID	3198;
Calculated MW	36kd
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

Application Details

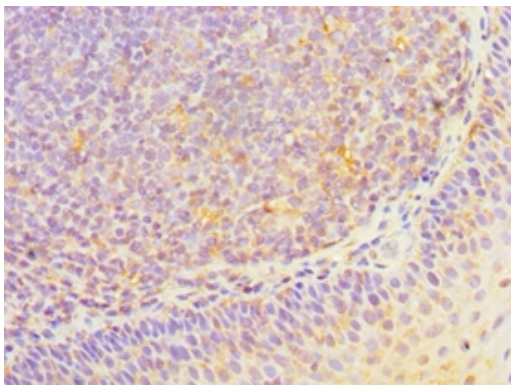
Western blotting: 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

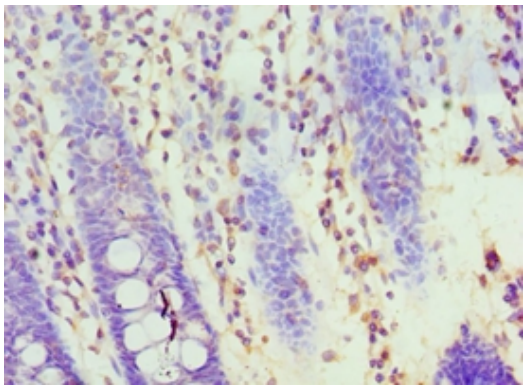
Images



All lanes:HOXA1 antibody at 2ug/ml
Lane 1:NIH3T3 whole cell lysate
Lane 2:Hela whole cell lysate
secondary
Goat polyclonal to rabbit at 1/10000 dilution
predicted band size :36kDa
observed band size :36kDa



Immunohistochemical analysis of paraffin-embedded human tonsil using #42210 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human rectum using #42210 at dilution of 1:100.

Background

Sequence-specific transcription factor which is 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.

References

[1]"Homozygous HOXA1 mutations disrupt human brainstem, inner ear, cardiovascular and cognitive development."Tischfield M.A., Bosley T.M., Salih M.A.M., Alorainy I.A., Sener E.C., Nester M.J., Oystreck D.T., Chan W.-M., Andrews C., Erickson R.P., Engle E.C.Nat. Genet. 37:1035-1037(2005). [2]"Discovery of allelic variants of HOXA1 and HOXB1: genetic susceptibility to autism spectrum disorders."Ingram J.L., Stodgell C.J., Hyman S.L., Figlewicz D.A., Weitkamp L.R., Rodier P.M. Teratology 62:393-405(2000). [3]"Retinoic acid induces three newly cloned HOXA1 transcripts in MCF7 breast cancer cells." Chariot A., Moreau L., Senterre G., Sobel M., Castronovo V.Biochem. Biophys. Res. Commun. 215:713-720(1995).

Note: This product is for in vitro research use only