

Product datasheet for **AM06630SU-N**

OTX2 Mouse Monoclonal Antibody [Clone ID: 1H12G8B2]

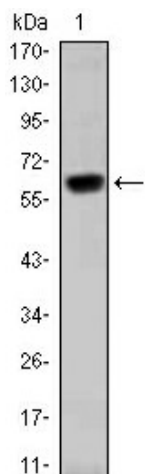
Product data:

Product Type:	Primary Antibodies
Clone Name:	1H12G8B2
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunohistochemistry on paraffin sections: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human OTX2 expressed in E. Coli.
Specificity:	This antibody reacts to OTX2.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	32 kDa
Gene Name:	orthodenticle homeobox 2
Database Link:	Entrez Gene 5015 Human P32243
Background:	This gene encodes a member of the bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mice is required for proper forebrain development. Tissue specificity: Expressed in brain.
Synonyms:	Homeobox protein OTX-2, Orthodenticle homolog 2

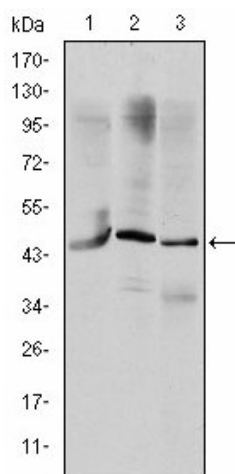


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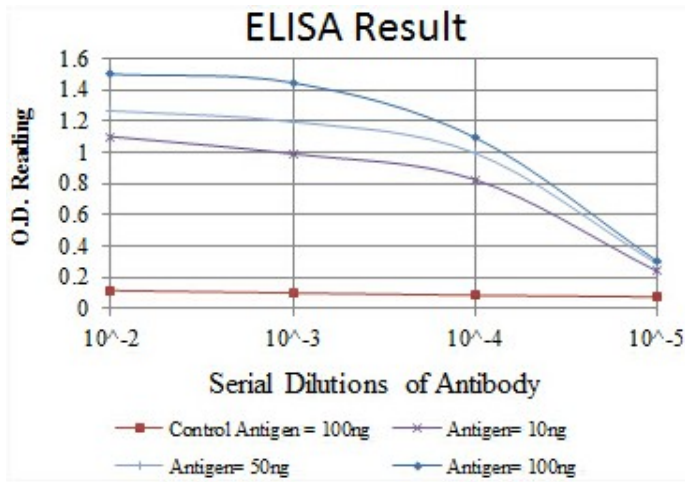
Product images:



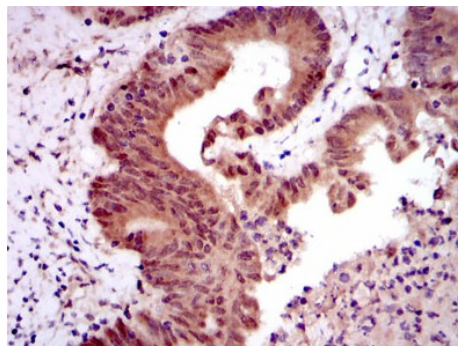
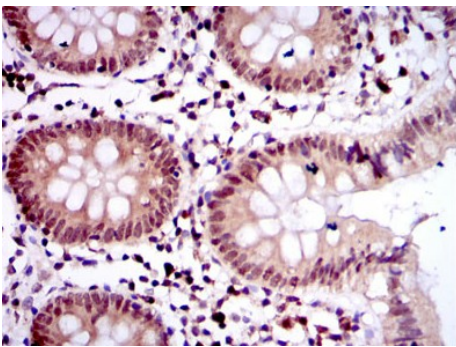
Western blot analysis using OTX2 mAb against human OTX2 (AA: 40-297) recombinant protein. (Expected MW is 65 kDa)



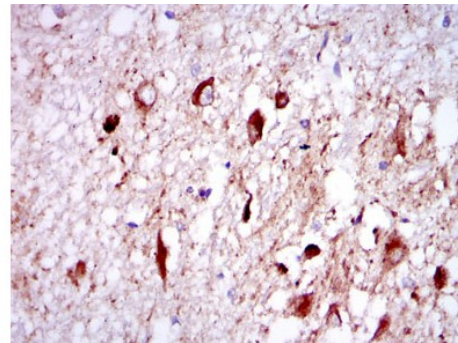
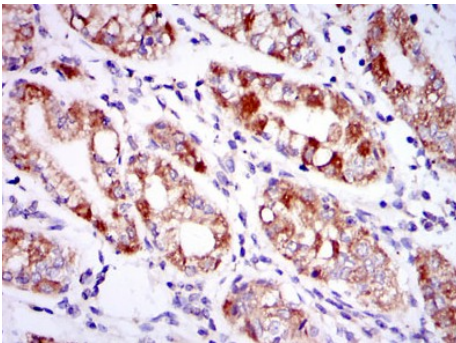
Western blot analysis using OTX2 mouse mAb against HepG2 (1), Jurkat (2), and NTERA-2 (3) cell lysate.



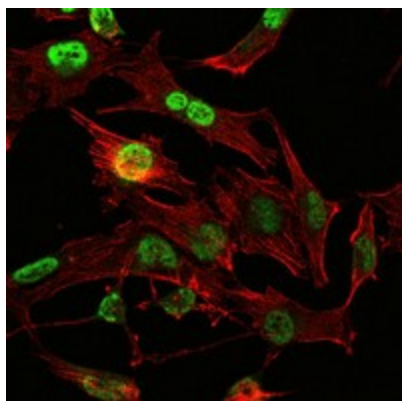
Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Immunohistochemical analysis of paraffin-embedded colon tissues (left) and colon cancer tissues (right) using OTX2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded stomach tissues (left) and brain tissues (right) using OTX2 mouse mAb with DAB staining.



Immunofluorescence analysis of U251 cells using OTX2 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.