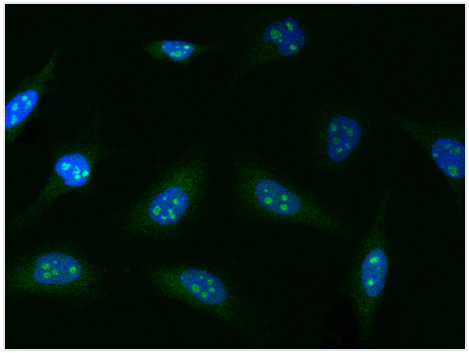
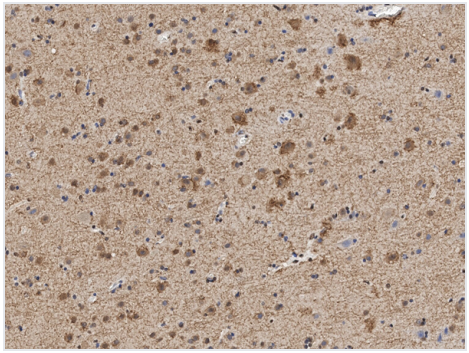
OTX1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

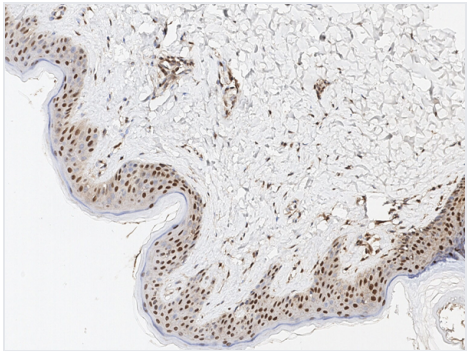
Product Name	OTX1, Polyclonal Antibody
Full Product Name	OTX1 Antibody, Rabbit PAb, Antigen Affinity Purified
Product Gene Name	anti-OTX1 antibody
Product Synonym Names	Anti-OTX1 Antibody, Rabbit Polyclonal
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human OTX1
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.
Immunogen	E Coli-derived Human OTX1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human OTX1 fragment, and purified by antigen affinity chromatography.
Applications Tested/Suitable for anti-OTX1 antibody	Immunohistochemistry-Paraffin (IHC-P), Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-OTX1 antibody	IHC-P: 1:100-1:500 ICC/IF: 1:50-1:200
Related Product Information for anti-OTX1 antibody	Background: Otx1 is one of the homeobox-containing transcription factors frequently implicated in the development of the central nervous system. Orthodenticle homeobox 1 (OTX1), a transcription factor containing a bicoid-like homeodomain, plays a role in brain and sensory organ development. OTX1 is involved in human colon carcinogenesis and may serve as a potential therapeutic target for human colorectal cancer. OTX1 has been described as a critical molecule for axon refinement in the developing cerebral cortex of mice, and its activity in breast cancer suggests a synergistic function with p53 in CSC differentiation. Wild-type p53 may regulate cellular differentiation by an alternative pathway controlling OTX1 signaling only in breast cancer cells and not in physiological conditions.
Other Notes	Small volumes of anti-OTX1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OTX1 purchase	MBS8123675 is an antibody targeting OTX1. Also known as OTX1 Antibody, Rabbit PAb, Antigen Affinity Purified. Reactive in Human. Host: Rabbit.



Immunofluorescence (IF) of anti-OTX1 antibody
Immunofluorescence staining of OTX1 in HeLa cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human OTX1 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Nucleus.



Immunohistochemistry (IHC) of anti-OTX1 antibody
Immunochemical staining of human OTX1 in human brain with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



Immunohistochemistry (IHC) of anti-OTX1 antibody
Immunochemical staining of human OTX1 in human skin with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OTX1. It may not necessarily be applicable to this product.

Protein Family	Homeobox protein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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