


Product datasheet

Anti-DLX3 antibody [NCI-R183-14] ab211492

Recombinant RabMAb

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Overview

Product name	Anti-DLX3 antibody [NCI-R183-14]
Description	Rabbit monoclonal [NCI-R183-14] to DLX3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Saos-2 cell transfected with mouse TetOFFv5DLX3/flag TDO untreated with DOX(Doxorubicin 2µg/ml); Saos-2 cell transfected with human TetOFFv5DLX3/flag TDO untreated with DOX(Doxorubicin 2µg/ml).
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number NCI-R183-14

Isotype IgG

Applications

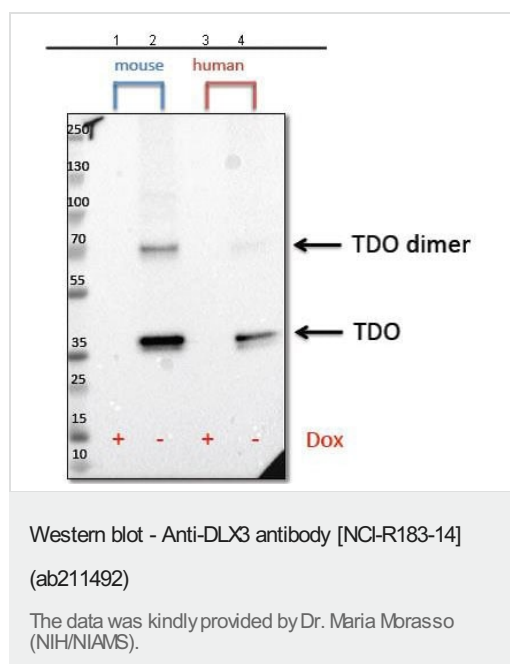
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab211492 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 45, 38 kDa (predicted molecular weight: 32 kDa).

Target

Function	Likely to play a regulatory role in the development of the ventral forebrain. May play a role in craniofacial patterning and morphogenesis.
Involvement in disease	Defects in DLX3 are a cause of trichodentoosseous syndrome (TDO) [MIM:190320]. TDO is an autosomal dominant syndrome characterized by enamel hypoplasia and hypocalcification with associated strikingly curly hair. Defects in DLX3 are the cause of amelogenesis imperfecta type 4 (AI4) [MIM:104510]; also known as amelogenesis imperfecta hypomaturational-hypoplastic type with taurodontism. AI4 is an autosomal dominant defect of enamel formation associated with enlarged pulp chambers.
Sequence similarities	Belongs to the distal-less homeobox family. Contains 1 homeobox DNA-binding domain.
Cellular localization	Nucleus.

Images



All lanes : Anti-DLX3 antibody [NCI-R183-14] (ab211492) at 1/1000 dilution

Lane 1 : Saos-2 (Human osteosarcoma cell line) cell transfected with mouse TetOFFv5DLX3/flag TDO treated with DOX(Doxorubicin 2µg/ml)

Lane 2 : Saos-2 (Human osteosarcoma cell line) cell transfected with mouse TetOFFv5DLX3/flag TDO untreated with DOX(Doxorubicin 2µg/ml)

Lane 3 : Saos-2 (Human osteosarcoma cell line) cell transfected with human TetOFFv5DLX3/flag TDO treated with DOX(Doxorubicin 2µg/ml)

Lane 4 : Saos-2 (Human osteosarcoma cell line) cell transfected with human TetOFFv5DLX3/flag TDO untreated with DOX(Doxorubicin 2µg/ml)

Predicted band size: 32 kDa





Observed band size: 38,45 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

This product only recognizes DLX3 carrying the TDO (Tricho-Dento-
Osseous syndrome) frameshift mutation.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-DLX3 antibody [NCI-R183-14] (ab211492)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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