

Product datasheet

Anti-OP-2 antibody [EPR13357] ab181253

Recombinant RabMAb

3 Images

Overview

Product name	Anti-OP-2 antibody [EPR13357]
Description	Rabbit monoclonal [EPR13357] to OP-2
Host species	Rabbit
Specificity	This antibody detects dominant ~35kDa extra band in some samples, e.g. WI-38 and SK-OV-3.
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa and A549 cell lysate; A549 cells.
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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13357
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181253 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 kDa (predicted molecular weight: 45 kDa).
ICC/IF		1/250.

Target

Function

Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.

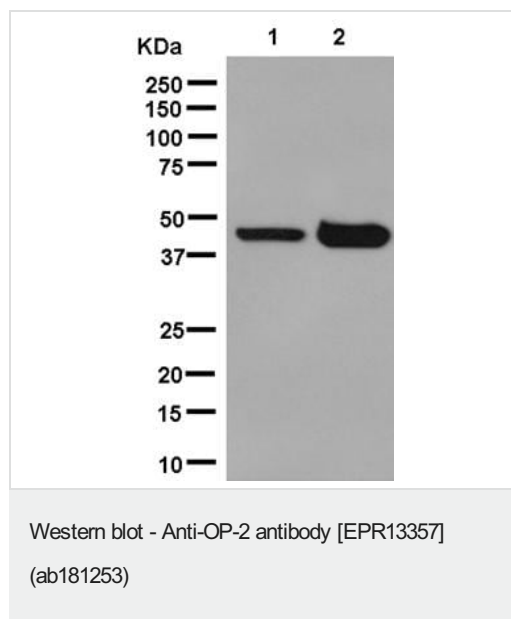
Sequence similarities

Belongs to the TGF-beta family.

Cellular localization

Secreted.

Images



All lanes : Anti-OP-2 antibody [EPR13357] (ab181253) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : A549 cell lysate

Lysates/proteins at 20 µg per lane.

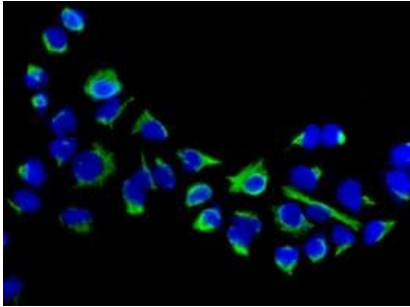
Secondary

All lanes : goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 45 kDa

Observed band size: 45 kDa



Immunofluorescence analysis of, paraformaldehyde-fixed, A549 cells labeling OP-2 with ab181253 at a 1/250 dilution. As secondary antibody goat anti rabbit IgG (Alexa Fluor® 488) was used at a 1/200 dilution. In blue DAPI staining.

Immunocytochemistry/ Immunofluorescence - Anti-OP-2 antibody [EPR13357] (ab181253)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-OP-2 antibody [EPR13357] (ab181253)

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

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