

Product datasheet

Anti-OSMR antibody [EPR24786-50] ab273103

Recombinant RabMAb

3 Images

Overview

Product name	Anti-OSMR antibody [EPR24786-50]
Description	Rabbit monoclonal [EPR24786-50] to OSMR
Host species	Rabbit
Specificity	<ul style="list-style-type: none">- WB suitable for mouse only- FC and IP not suitable for human and mouse- ICC not suitable for human- IHC not suitable for human, mouse and rat
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: 3T3-L1 and NIH/3T3 whole cell lysate. Mouse lung tissue lysate. PNGase F treated/untreated 3T3-L1 and NIH/3T3 whole cell lysate.
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. 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	EPR24786-50
Isotype	IgG

Applications

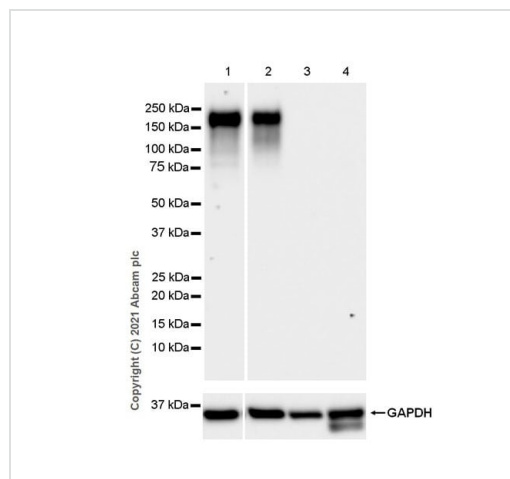
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab273103 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 111 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

Function	Associates with IL31RA to form the IL31 receptor. Binds IL31 to activate STAT3 and possibly STAT1 and STAT5. Capable of transducing OSM-specific signaling events.
Tissue specificity	Expressed at relatively high levels in all neural cells as well as fibroblast, epithelial and a variety of tumor cell lines.
Involvement in disease	Amyloidosis, primary localized cutaneous, 1 (PLCA1) [MIM:105250]: A primary amyloidosis characterized by localized cutaneous amyloid deposition. This condition usually presents with itching (especially on the lower legs) and visible changes of skin hyperpigmentation and thickening that may be exacerbated by chronic scratching and rubbing. Primary localized cutaneous amyloidosis is often divided into macular and lichen subtypes although many affected individuals often show both variants coexisting. Lichen amyloidosis characteristically presents as a pruritic eruption of grouped hyperkeratotic papules with a predilection for the shins, calves, ankles and dorsa of feet and thighs. Papules may coalesce to form hyperkeratotic plaques that can resemble lichen planus, lichen simplex or nodular prurigo. Macular amyloidosis is characterized by small pigmented macules that may merge to produce macular hyperpigmentation, sometimes with a reticulate or rippled pattern. In macular and lichen amyloidosis, amyloid is deposited in the papillary dermis in association with grouped colloid bodies, thought to represent degenerate basal keratinocytes. The amyloid deposits probably reflect a combination of degenerate keratin filaments, serum amyloid P component, and deposition of immunoglobulins. Note=The disease is caused by mutations affecting the gene represented in this entry.
Sequence similarities	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 4 fibronectin type-III domains.
Domain	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
Cellular localization	Membrane.



Western blot - Anti-OSMR antibody [EPR24786-50] (ab273103)

All lanes : Anti-OSMR antibody [EPR24786-50] (ab273103) at 1/1000 dilution

Lane 1 : 3T3-L1 (mouse embryonic fibroblast) whole cell lysate

Lane 2 : NIH/3T3 (mouse embryonic fibroblast) whole cell lysate

Lane 3 : M1 (mouse myeloid leukemia myeloblast) whole cell lysate

Lane 4 : EL4 (mouse lymphoma T lymphocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

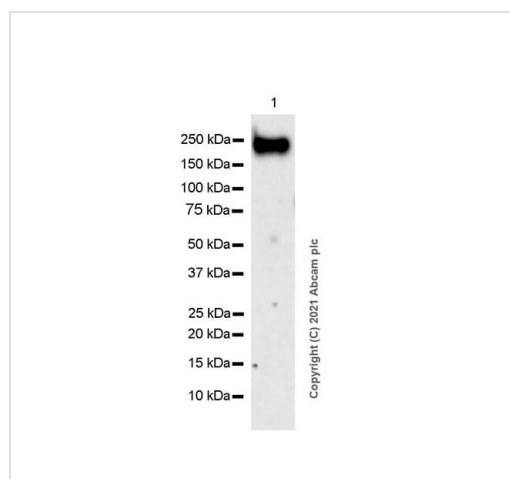
Predicted band size: 111 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

The observed MW are consistent with what has been described in the literature (PMID: 27325693).

Negative control: M1, EL4 (PMID: 9920829).

Exposure time: 15 seconds.



Western blot - Anti-OSMR antibody [EPR24786-50] (ab273103)

Anti-OSMR antibody [EPR24786-50] (ab273103) at 1/1000 dilution + Mouse lung tissue lysate at 20 µg

Secondary

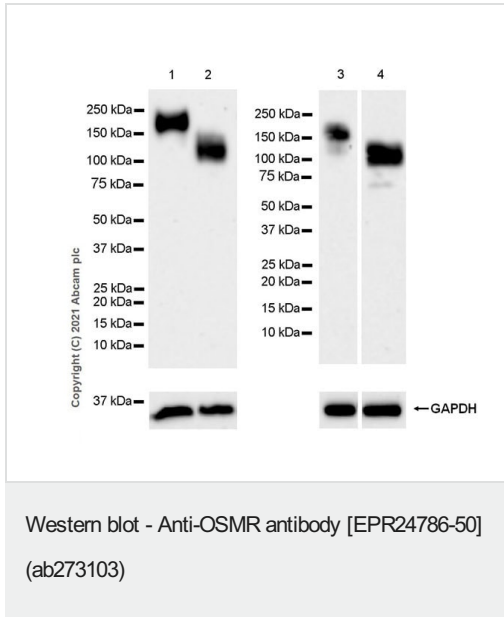
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 111 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

The observed MW are consistent with what has been described in the literature (PMID: 26311783).

Exposure time: 3 minutes.



All lanes : Anti-OSMR antibody [EPR24786-50] (ab273103) at 1/1000 dilution

Lane 1 : Untreated 3T3-L1 (mouse embryonic fibroblast) whole cell lysate

Lane 2 : 3T3-L1 whole cell lysate treated with PNGase F

Lane 3 : Untreated NIH/3T3 (mouse embryonic fibroblast) whole cell lysate

Lane 4 : NIH/3T3 whole cell lysate treated with PNGase F

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 111 kDa

Blocking and diluting buffer and concentration: 5% NFD/MTBST.

OSMR is a glycosylated protein and can be deglycosylated by PNGase F.

The observed MW are consistent with what has been described in the literature (PMID: 26311783).

Exposure time: 3 minutes.

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