

Product datasheet

Anti-OSMR antibody ab156939

1 Image

Overview

Product name	Anti-OSMR antibody
Description	Goat polyclonal to OSMR
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide: QIHGEQLDPHVT by a Cysteine residue linker, corresponding to internal sequence amino acids 185-196 of Human OSMR (NP_003990.1). <div style="text-align: right;"> Run BLAST with </div>
Positive control	HeLa, A549 and U937 lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	ab156939 is purified from Goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab156939** in the following tested applications.

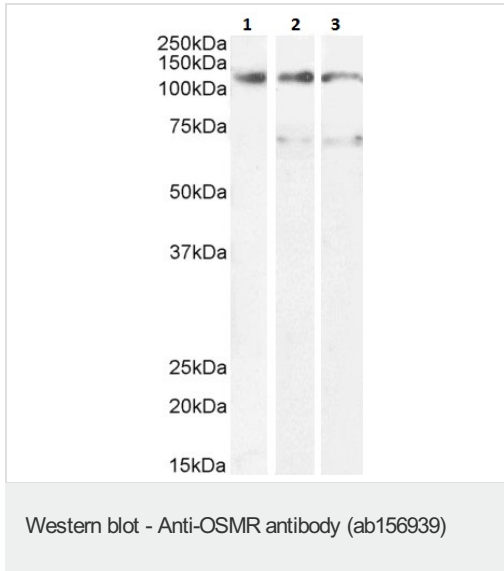
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 125 kDa (predicted molecular weight: 111 kDa).

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.

Images



All lanes : Anti-OSMR antibody (ab156939) at 0.3 µg/ml

Lane 1 : U937 cell lysate in RIPA buffer

Lane 2 : A431 cell lysate in RIPA buffer

Lane 3 : HepG2 cell lysate in RIPA buffer

Lysates/proteins at 35 µg per lane.

Predicted band size: 111 kDa

Detected by chemiluminescence.

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