

## Product datasheet

# Anti-CXCL16 antibody ab84435

### Overview

<b>Product name</b>	Anti-CXCL16 antibody
<b>Description</b>	Goat polyclonal to CXCL16
<b>Tested applications</b>	<b>Suitable for:</b> WB, Indirect ELISA, Sandwich ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Highly pure (>98%) recombinant full length Mouse CXCL16.

### Properties

<b>Form</b>	Lyophilised: Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: PBS, pH 7.2
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab84435 is purified by affinity chromatography employing immobilized CXCL16 matrix and filter sterilised.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab84435** 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 - 0.2 µg/ml. Predicted molecular weight: 27 kDa. Detection limit for recombinant mouse CXCL16 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Indirect ELISA		Use a concentration of 0.5 - 2 µg/ml. Allows the detection of at least 0.2 - 0.4 ng/well of recombinant mouse CXCL16.

Application	Abreviews	Notes
Sandwich ELISA		Use a concentration of 0.5 - 2 µg/ml. Can be paired for Sandwich ELISA with <a href="#">Goat polyclonal to CXCL16 (Biotin) (ab84434)</a> . Can be used as capture antibody with related pair. Allows the detection of at least 0.2 - 0.4 ng/well of recombinant mouse CXCL16.

## Target

<b>Function</b>	Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis (By similarity). Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo.
<b>Tissue specificity</b>	Expressed in T-cell areas. Expressed in spleen, lymph nodes, lung, kidney, small intestine and thymus. Weak expression in heart and liver and no expression in brain and bone marrow.
<b>Sequence similarities</b>	Belongs to the intercrine alpha (chemokine CxC) family.
<b>Post-translational modifications</b>	Glycosylated.
<b>Cellular localization</b>	Cell membrane. Secreted. Also exists as a soluble form.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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