Human Meteorin-like/METRNL Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7867

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Meteorin-like/METRNL in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant mouse Meteorin-like/METRNL is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Meteorin-like/METRNL Gln46-Asp311 Accession # Q641Q3
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

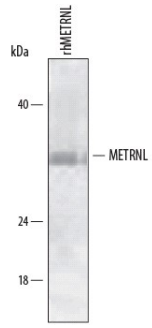
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.2 µg/mL	See Below

DATA

Western Blot



Detection of Human Meteorin-like/METRNL by Western Blot. Western blot shows recombinant human Meteorin-like/METRNL (1 ng/lane). PVDF membrane was probed with 0.2 µg/mL of Sheep Anti-Human Meteorin-like/METRNL Antigen Affinity-purified Polyclonal Antibody (Catalog # AF7867) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for Meteorin-like/METRNL at approximately 30 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

METRNL (Meteorin-like) is a cytoplasmic 30 kDa (predicted) member of the meteorin family of proteins. The name meteorin derives from the ability of the founding family member meteorin to transform glia into cells containing an extensive, meteor-like tail. It is expressed by neurons, and appears to function as a primer molecule that sets the stage for either cell differentiation or neurite outgrowth when it acts with Dclk1 and SerpinB1. Mature human METRNL is 266 amino acids (aa) in length (aa 46-311). It reportedly contains a signal sequence (aa 1-45), which suggests it may be secreted. Mature human and mouse METRNL share 79% aa sequence identity.

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