

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse DNER in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 40% cross-reactivity with recombinant human DNER is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse DNER Ala26-His637 Accession # Q8JZM4
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 as a 0.2 µm filtered solution in PBS.

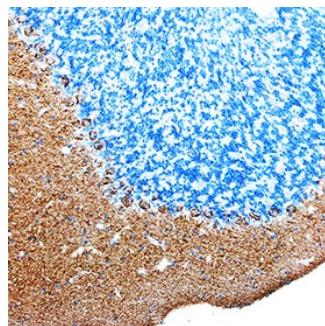
APPLICATIONS

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	0.1 µg/mL	Recombinant Mouse DNER (Catalog # 2254-DN)
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



DNER in Mouse Brain. DNER was detected in perfusion fixed frozen sections of mouse brain (cerebellum) using Goat Anti-Mouse DNER Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2254) at 5 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific staining was localized to Purkinje neurons and molecular layer. View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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. <ul style="list-style-type: none"> ● 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

DNER, also known as BET, is a type I transmembrane glycoprotein that is specifically expressed on nonaxonal areas of post-mitotic neurons. The protein has an extracellular domain containing ten distinct EGF-like repeats similar to those found on Delta and Notch. Human and mouse DNER share 90% amino acid sequence identity.