

DESCRIPTION

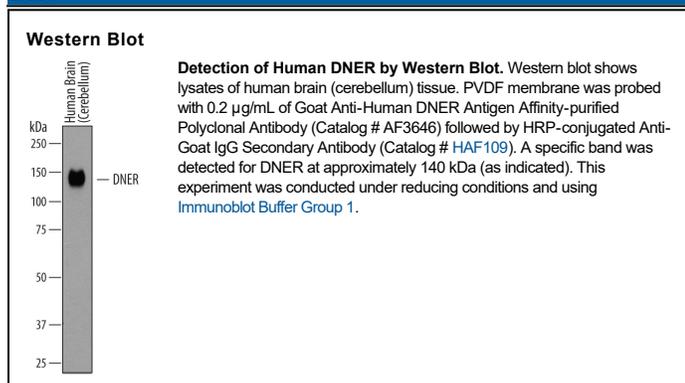
Species Reactivity	Human
Specificity	Detects human DNER in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 30% cross-reactivity with recombinant mouse DNER is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human DNER Arg29-His637 Accession # Q8NFT8
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
Immunocytochemistry	5-15 µg/mL	Immersion fixed A172 human glioblastoma cell line

DATA



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 brain EGF repeat containing transmembrane protein (BET), is a neuron-specific type I transmembrane notch ligand that is expressed on membranes of dendrites and cell bodies but not axons. It contains ten extracellular EGF-like domains and one follistatin-like domain (between the 9th and 10th EGF-like domains). DNER mediates neuron-glia interactions and is required for the functional and morphological maturation of the cerebellum. The extracellular domains of human and mouse DNER share 89% amino acid sequence homology.