

DESCRIPTION

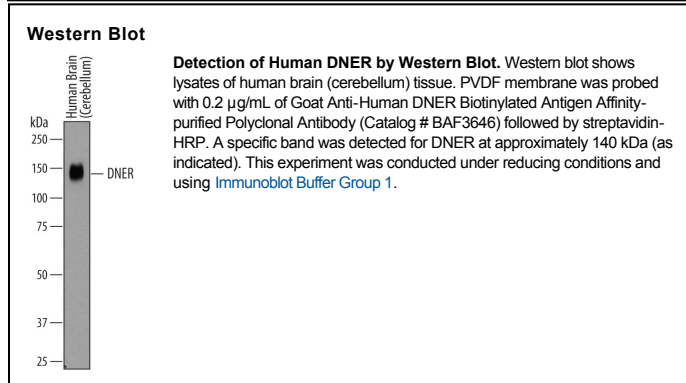
Species Reactivity	Human
Specificity	Detects human DNER in Western blots. In Western blots, approximately 30% cross-reactivity with recombinant mouse DNER is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human DNER Arg29-His637 Accession # Q8NFT8
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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
Immunohistochemistry	5-15 µg/mL	Immersion fixed frozen sections of mouse embryo (E13.5)

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.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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 (delta and notch-like EGF-related receptor; also BET) is a 120-150 kDa type I transmembrane glycoprotein that is reminiscent of notch ligands such as Delta and Jagged. It is found on neuron dendrites and cell bodies but not on axons. Human DNER is 703 amino acids (aa) in length, and contains a 606 aa extracellular domain (ECD) (aa 35-640) plus a 76 aa cytoplasmic region. The ECD contains nine consecutive EGF-like domains, followed by one follistatin-like domain and a tenth EGF-like domain. DNER binding to notch-1 on glia induces morphological differentiation. Human DNER ECD is 89% aa identical to mouse DNER ECD.