

DESCRIPTION

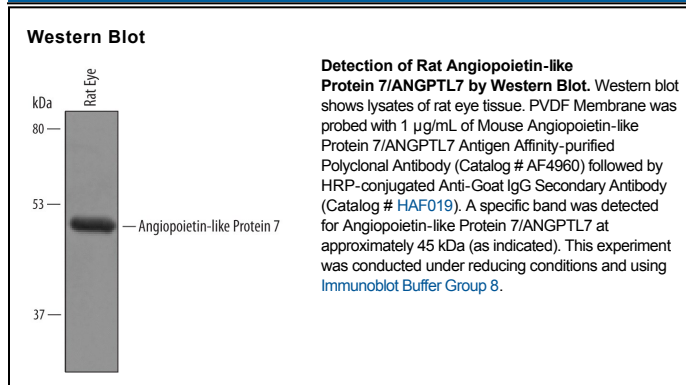
Species Reactivity	Mouse
Specificity	Detects mouse Angiopoietin-like Protein 7/ANGPTL7 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human ANGPTL7 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Angiopoietin-like Protein 7/ANGPTL7 Gln22-Pro337 Accession # Q8R1Q3
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	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution

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

Angiopoietin-like Protein 7 (ANGPTL7), also known as cornea-derived transcript 6 (CDT6), is a secreted 45 kDa protein that contains a coiled-coil domain (aa 30-110) and a fibrinogen-like domain (aa 113-334). ANGPTL7 is expressed in the stromal layer of the cornea, and it forms disulfide-linked homotetramers. It contributes to corneal morphogenesis by suppressing angiogenesis and promoting the deposition of extracellular matrix components. ANGPTL7 is up-regulated in glaucoma and accumulates in the aqueous humor. Mature mouse ANGPTL7 shares 88% and 98% sequence identity with human and rat ANGPTL7.