

DESCRIPTION

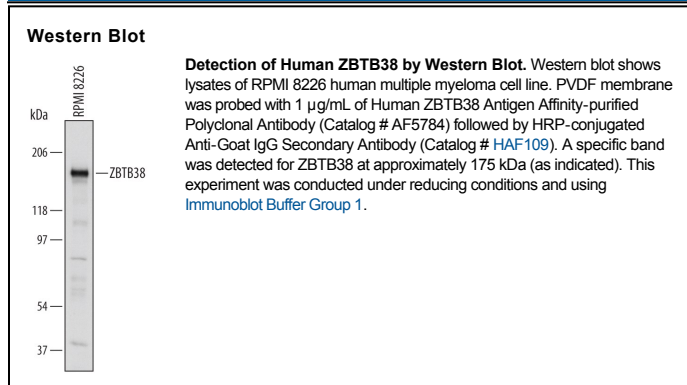
Species Reactivity	Human
Specificity	Detects endogenous human ZBTB38 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ZBTB38 Met1-Tyr232 Accession # Q8NAP3
Formulation	Lyophilized from a 0.2 µm filtered solution in 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	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

ZBTB38 (Zinc finger and BTB domain-containing protein 38; also CIBZ and Zenon) is an early member of a family of Kaiso-like DNA binding proteins. Although its predicted MW is 134 kDa, it runs anomalously in SDS-PAGE at 175 kDa. ZBTB38 binds to singly methylated CpG (cytosine-phosphate-guanine) motifs. It is considered a transcriptional repressor that either homodimerizes, or heterodimerizes with ZBTB4, and subsequently interacts with either CtBP-1 or -2 to mediate repression. Human ZBTB38 is 1195 amino acids (aa) in length. It contains a BTB domain (aa 33-100), an RD2 region (aa 158-341) and ten C2H2-type zinc finger domains (aa 342-1147). There is one potential alternate start site at Met595. Over aa 1-232, human ZBTB38 shares 96% aa identity with mouse ZBTB38.