

Human ZBTB38 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5784

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects endogenous human ZBTB38 in Western blots.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-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 either lyophilized or as a 0.2 μm filtered solution in PBS.	

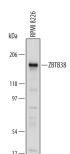
APPLICATIONS

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	1 μg/mL	See Below

DATA

Western Blot



Detection of Human ZBTB38 by Western Blot. Western blot shows lysates of RPMI 8226 human multiple myeloma cell line. PVDF membrane was probed with 1 µg/mL of Human ZBTB38 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5784) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for ZBTB38 at approximately 175 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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.

- 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.

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