

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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