10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# ZBTB38 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55206

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IHC-F, IF, ICC, E |
| **Primary Accession** | Q8NAP3 |
| **Reactivity** | Rat, Pig |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 134257 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 253461 |
| **Other Names** | Zinc finger and BTB domain-containing protein 38, ZBTB38 (HGNC:26636) |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

| | |
|---|---|
| **Name** | ZBTB38 ( HGNC:26636) |
| **Function** | Transcriptional regulator with bimodal DNA-binding specificity. Binds with a higher affinity to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' but can also bind to E-box elements (5'-CACGTG-3'). Can also bind specifically to a single methyl-CpG pair. Represses transcription in a methyl-CpG-dependent manner (PubMed:16354688). Plays an important role in regulating DNA replication and common fragile sites (CFS) stability in a RBBP6- and MCM10-dependent manner; represses expression of MCM10 which plays an important role in DNA-replication (PubMed:24726359). Acts as a transcriptional activator. May be involved in the differentiation and/or survival of late postmitotic neurons (By similarity). |
| **Cellular Location** | Nucleus. Chromosome. Note=Localizes to chromocenters |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.