

## Product datasheet for **TA343378**

### AP2 beta (TFAP2B) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TFAP2B antibody: synthetic peptide directed towards the C terminal of human TFAP2B. Synthetic peptide located within the following region: ALTALQNYLTEALKGMDKMFLNNTTNRHTSGEGPGSKTGDKEEKHRK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50 kDa
Gene Name:	transcription factor AP-2 beta
Database Link:	<a href="#">NP_003212</a> <a href="#">Entrez Gene 7021 Human</a> <a href="#">Q92481</a>



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**Background:**

TFAP2B belongs to the AP-2 family which is developmentally regulated and have distinct overlapping functions in the regulation of many genes governing growth and differentiation. TFAP2B binds DNA as a dimer and can form homodimers or heterodimers with other AP-2 family members. It may be a candidate for conferring susceptibility to type 2 diabetes. This gene encodes a member of the AP-2 family of transcription factors. AP-2 proteins form homo- or hetero-dimers with other AP-2 family members and bind specific DNA sequences. They are thought to stimulate cell proliferation and suppress terminal differentiation of specific cell types during embryonic development. Specific AP-2 family members differ in their expression patterns and binding affinity for different promoters. This protein functions as both a transcriptional activator and repressor. Mutations in this gene result in autosomal dominant Char syndrome, suggesting that this gene functions in the differentiation of neural crest cell derivatives. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ\_SPAN PRIMARY\_IDENTIFIER PRIMARY\_SPAN COMP 1-144 AU141084.1 1-144 145-1684 BC037225.1 1-1540 1685-5370 AL049693.16 11928-15613 5371-5770 BU738725.1 18-417 c

**Synonyms:**

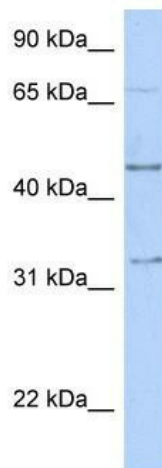
AP-2B; AP2-B

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 85%; Guinea pig: 85%; Sheep: 82%

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**

WB Suggested Anti-TFAP2B Antibody Titration:  
0.2-1 ug/ml; Positive Control: Human Muscle