

Product datasheet for **TA339752**

CTBP2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Mouse, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CTBP2 antibody: synthetic peptide directed towards the C terminal of human CTBP2. Synthetic peptide located within the following region: TGRIPESLRNCVNKEFFVTSAPWSVIDQQAHPPELNGATYRYPGIVGVA
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>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	106 kDa
Gene Name:	C-terminal binding protein 2
Database Link:	NP_073713 Entrez Gene 13017 Mouse Entrez Gene 1488 Human P56545



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Background:

This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcriptional repressor, while the other isoform is a major component of specialized synapses known as synaptic ribbons. Both proteins contain a NAD⁺ binding domain similar to NAD⁺-dependent 2-hydroxyacid dehydrogenases. A portion of the 3' untranslated region was used to map this gene to chromosome 21q21.3; however, it was noted that similar loci elsewhere in the genome are likely. This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcriptional repressor, while the other isoform is a major component of specialized synapses known as synaptic ribbons. Both proteins contain a NAD⁺ binding domain similar to NAD⁺-dependent 2-hydroxyacid dehydrogenases. A portion of the 3' untranslated region was used to map this gene to chromosome 21q21.3; however, it was noted that similar loci elsewhere in the genome are likely. Blast analysis shows that this gene is present on chromosome 10.

Synonyms:

C-terminal binding protein 2; OTTHUMP00000020699; OTTHUMP00000020701; ribeye

Note:

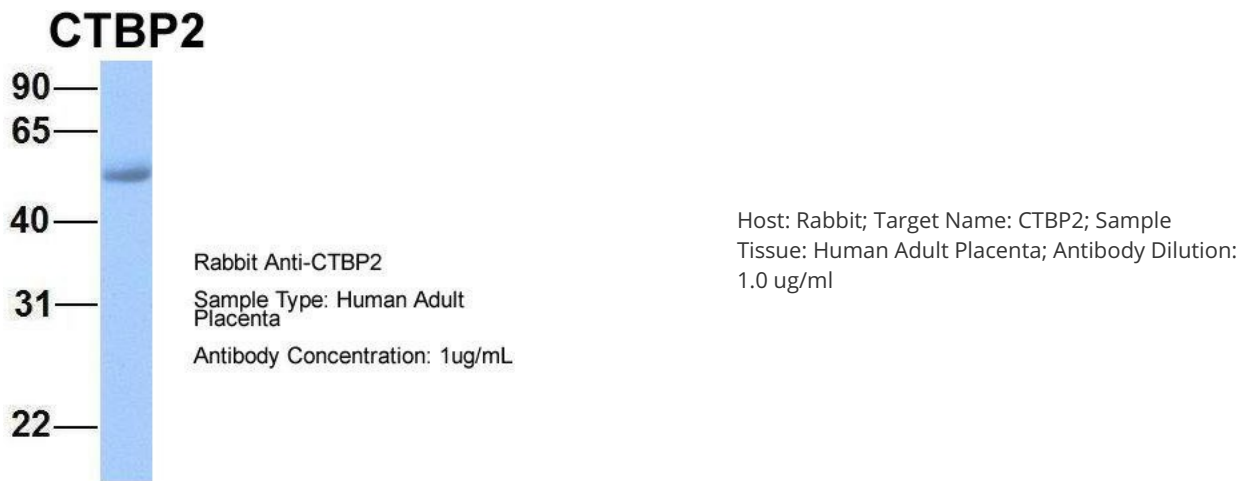
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Horse: 93%; Goat: 86%

Protein Families:

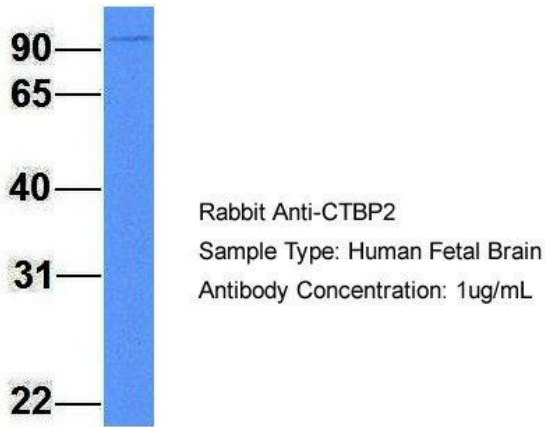
Stem cell - Pluripotency, Stem cell relevant signaling - Wnt Signaling pathway

Protein Pathways:

Chronic myeloid leukemia, Notch signaling pathway, Pathways in cancer, Wnt signaling pathway

Product images:


CTBP2

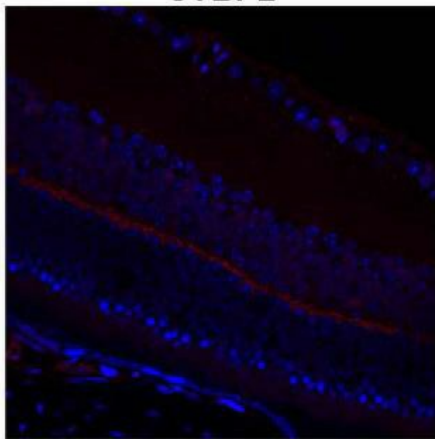


Host: Rabbit; Target Name: CTBP2; Sample Tissue: Human Fetal Brain; Antibody Dilution: 1.0 ug/ml



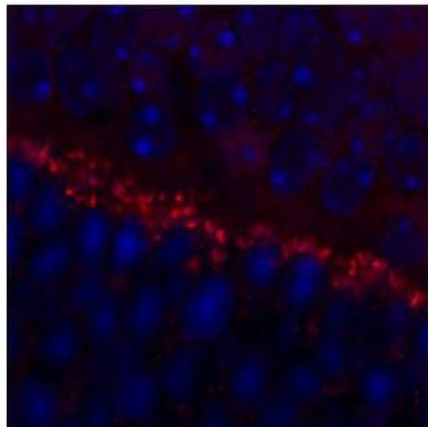
WB Suggested Anti-CTBP2 Antibody Titration: 0.2-1 ug/ml; Positive Control: HeLa cell lysate CTBP2 is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells

CTBP2



Sample Type: complete mouse retina sections; Red: Primary; Blue: DAPI; Primary Dilution: 1: 200; Secondary Antibody: Goat anti-Rabbit AF568 IgG (H+L); Secondary Dilution: 1: 200; Image Submitted by: David Zenisek; Yale University

CTBP2



Sample Type: outer mouse plexiform layer; Red: Primary; Blue: DAPI; Primary Dilution: 1: 200; Secondary Antibody: Goat anti-Rabbit AF568 IgG (H+L); Secondary Dilution: 1: 200; Image Submitted by: David Zenisek; Yale University