

## Product datasheet for **TA329701**

### HDAC2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC, ChIP
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HDAC2 antibody: synthetic peptide directed towards the middle region of human HDAC2. Synthetic peptide located within the following region: HKKGAKKARIEEDKKETEDKKTVDVKEEDKSKDNSGEKTDTKGKSEQLSN
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>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	histone deacetylase 2
Database Link:	<a href="#">NP_001518</a> <a href="#">Entrez Gene 3066 Human</a> <a href="#">Q92769</a>
Background:	This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]



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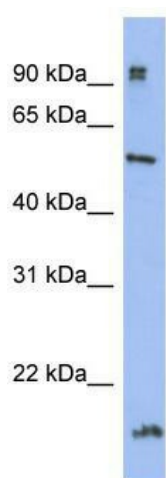
**Synonyms:** HD2; RPD3; YAF1

**Note:** Immunogen sequence homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Dog: 93%; Rabbit: 93%

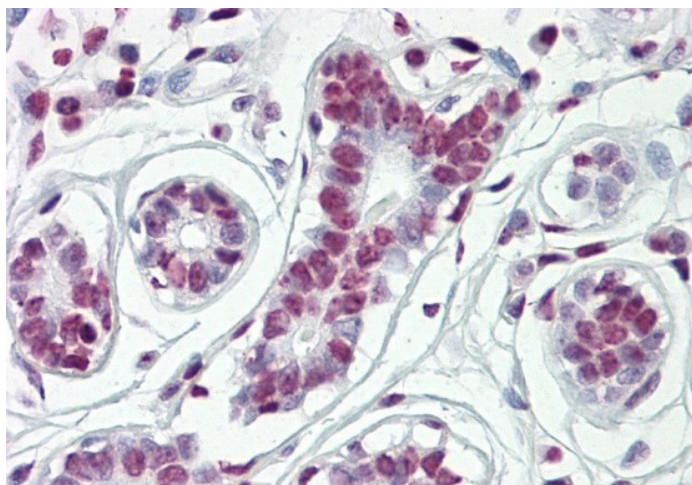
**Protein Families:** Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Protein Pathways:** Cell cycle, Chronic myeloid leukemia, Huntington's disease, Notch signaling pathway, Pathways in cancer

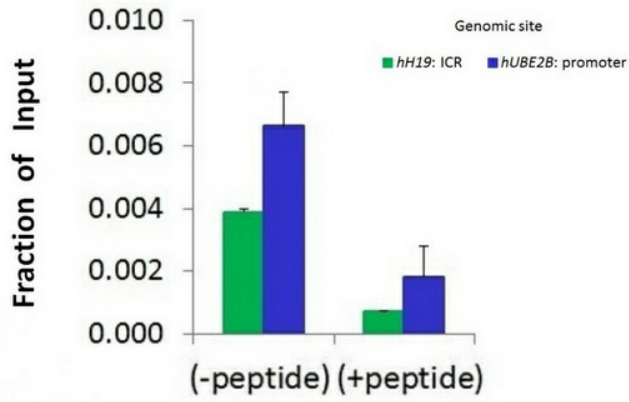
**Product images:**



WB Suggested Anti-HDAC2 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive  
Control: HT1080 cell lysate



IHC Suggested Anti-HDAC2 antibody; Titration:  
5ug/ ml; Positive Control: Breast



Chromatin Immunoprecipitation (ChIP) Using HDAC2 antibody - middle region and HCT116 Cells