

Product Datasheet

AP-2 beta/TFAP2B Antibody - BSA Free NBP1-89063

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 1/26/2026 v.20.1

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NBP1-89063

AP-2 beta/TFAP2B Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit AP-2 beta/TFAP2B Antibody - BSA Free (NBP1-89063) is a polyclonal antibody validated for use in IHC and WB. Anti-AP-2 beta/TFAP2B Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7021
Gene Symbol	TFAP2B
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28894266).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: QRQRQEVGSEAGSLLPQPRAALPQLSGLDPRRDYHSVRRPDVLLHSAHHGLD AGMG

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 28894266), Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended.



Images

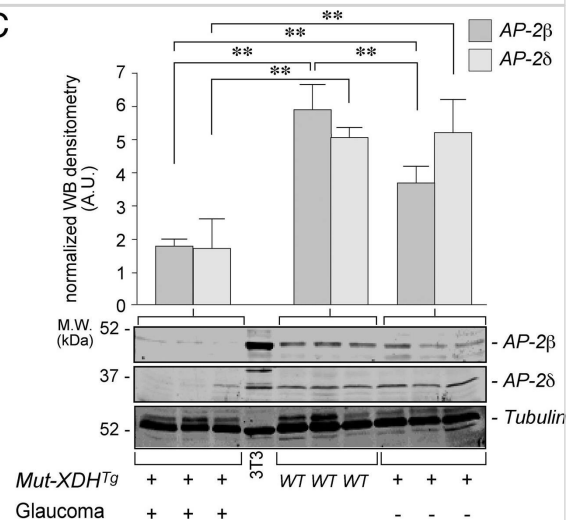
Immunohistochemistry-Paraffin: AP-2 beta/TFAP2B Antibody [NBP1-89063] - Staining of human epididymis shows strong nuclear positivity in glandular cells.



ChIP-Exo-Seq composite graph for Anti-TFAP2B (NBP1-89063) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Copy number of the AK029562 gene as well as AP-2 β /AP-2 δ mRNA and protein levels in the eyes of WT and transgenic animals. (A) The panel illustrates the copy number of the AK029562 gene in WT, non-glaucomatous Mut-XDHTg and glaucomatous Mut-XDHTg mice. **Significantly different ($p < 0.01$) after Student's t-test. N = the number of animals analyzed. Each value is expressed as the Mean \pm SD. (B) The expression levels of the AP-2 β and AP-2 δ mRNAs in WT, non-glaucomatous Mut-XDHTg as well as glaucomatous Mut-XDHTg animals are indicated. Each value is the mean \pm SD of 7 distinct animals. **Significantly different ($p < 0.01$) after Student's t-test. (C) The amounts of AP-2 β and AP-2 δ proteins in the eyes of WT, non-glaucomatous Mut-XDHTg and glaucomatous Mut-XDHTg animals were measured by Western blot analysis. Each lane represents a single animal. The upper bar graphs illustrate the results obtained after densitometric analysis of the AP-2 β and AP-2 δ bands and normalization for the tubulin band. **Significantly different ($p < 0.01$) after Student's t-test. The full-length blots/gels are presented in Supplementary Figure S2. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/28894266>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Barzago MM, Kurosaki M, Fratelli M et al. Generation of a new mouse model of glaucoma characterized by reduced expression of the AP-2B and AP-2d proteins Sci Rep 2017-09-11 [PMID: 28894266] (WB, Mouse)



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Products Related to NBP1-89063

NBP1-89063PEP	AP-2 beta/TFAP2B Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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