

# Product Datasheet

## AP2A2 Antibody - BSA Free

### NBP2-21648

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NBP2-21648**

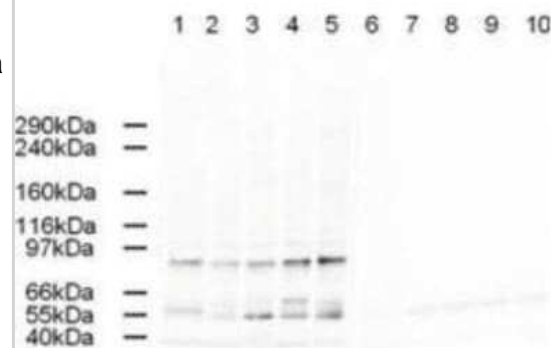
AP2A2 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This affinity purified antibody is directed against human AP2A2. The product was affinity purified from antiserum by immunoaffinity purification</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Goat
Gene ID	161
Gene Symbol	AP2A2
Species	Human
Reactivity Notes	A BLAST analysis was used to suggest reactivity with AP2A21 and AP2A22 protein from human, chimpanzee, orangutan, mouse, rat, chicken and dog based on 100% homology for the immunogen sequence. Cross reactivity with AP2A2 proteins from other sources is not known.
Immunogen	This affinity purified AP2A2 Antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to the N-Terminal region near aa 1-25 of Human AP2A1 and AP2A2 proteins. (Uniprot: O95782)
Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:5000-1:20000, Immunoprecipitation 1:100
Application Notes	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 104-107 kDa in size corresponding to AP2A1 or AP2A2 proteins by western blotting in the appropriate cell lysate or extract. Multiple isoforms of each subunit exist for these proteins. The immunogen sequence is found in both AP2A1 and AP2A2. This antibody recognizes a band of approximately 100 kDa in multiple human cell lines and specific reactivity can be blocked with the immunizing peptide.



## Images

Western Blot: AP2A2 Antibody [NBP2-21648] - Affinity Purified anti-AP2A antibody shows detection of a band just below 100 kDa corresponding to Human AP2A1 in a various preparations. Lane 1: HeLa nuclear extract, Lane 2: HeLa, Lane 3: 293, Lane 4: A431 and Lane 5: Jurkat whole cell lysates. In lanes 6-10 the antibody was preincubated with 1 ug/ml of the immunizing peptide which effectively blocks the specific reactivity of this antibody with AP2A. Approx. 20 ug of each lysate was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:500 dilution of anti-AP2A antibody. Detection occurred using a 1:5000 dilution of HRP-labeled Rabbit anti-Goat IgG for 1 hour at room temperature. A chemi-luminescence system was used for signal detection using a 60-sec exposure time.





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### **Products Related to NBP2-21648**

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NBP1-96941	AP2 alpha Antibody Blocking Peptide
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **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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