

# Product Datasheet

## AP2 alpha Antibody (3B5) NB100-74359

Unit Size: 100uL

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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**Reviews: 1   Publications: 2**

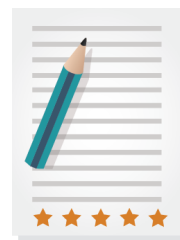
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Updated 6/21/2021 v.20.1

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**NB100-74359**

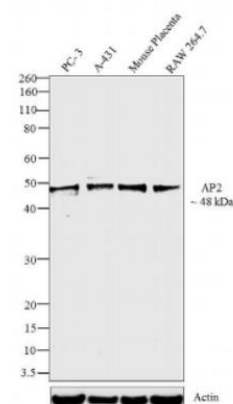
AP2 alpha Antibody (3B5)

Product Information	
Unit Size	100uL
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3B5
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS with 1 mg/ml BSA
Target Molecular Weight	48 kDa
Product Description	
Host	Mouse
Gene ID	7020
Gene Symbol	TFAP2A
Species	Human, Mouse, Chicken
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	AP-2 (3B5)
Immunogen	N-terminus of human AP2a.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:50 - 1:200, Immunohistochemistry 1:50, Immunocytochemistry/Immunofluorescence 1:50 - 1:500, Immunoprecipitation 1:100 - 1:250, Immunohistochemistry-Paraffin 1:50, Immunohistochemistry-Frozen 1:50
Application Notes	In WB: Detects a 45 - 50 kDa protein representing AP-2. Block with BSA only (not milk). IHC-Fr usage was reported in scientific literature (PMID: 24996922).

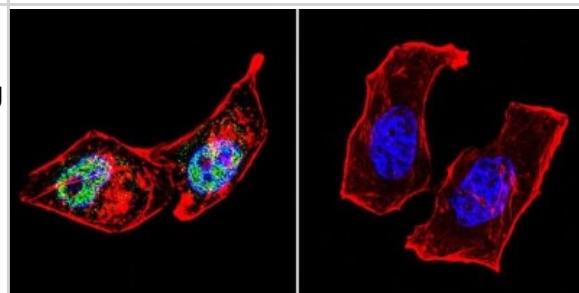


## Images

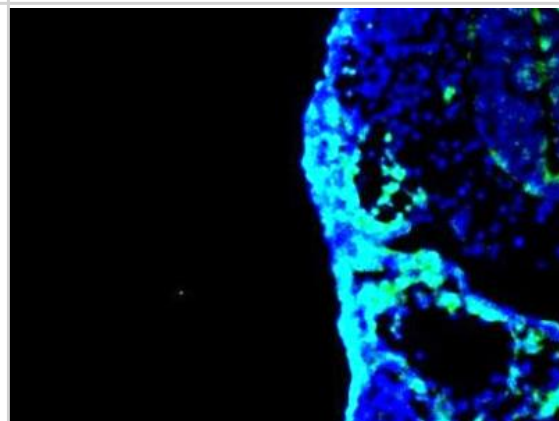
Western Blot: AP2 alpha Antibody (3B5) [NB100-74359] - Analysis was performed on whole cell extracts (30 ug lysate) of PC-3 (Lane1), A-431 (Lane2), Mouse Placenta (Lane3) and RAW 264.7 (Lane5).



Immunocytochemistry/Immunofluorescence: AP2 alpha Antibody (3B5) [NB100-74359] - Analysis of AP2 using Anti-AP2 Monoclonal Antibody (3B5) shows staining in Hela Cells. AP2 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing AP2 at a dilution of 1:100 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Images were taken at 60X magnification.



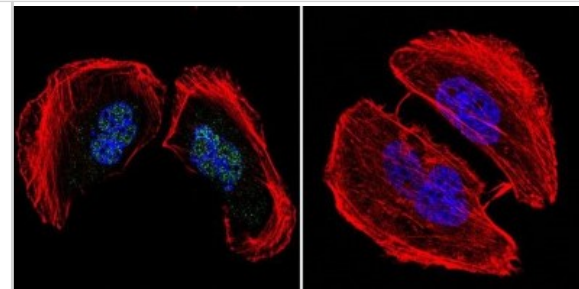
Immunohistochemistry-Frozen: AP2 alpha Antibody (3B5) [NB100-74359] - AP2alpha staining on an E9.5 mouse pharyngeal mesoderm region. IHC-Fr image submitted by a verified customer review.



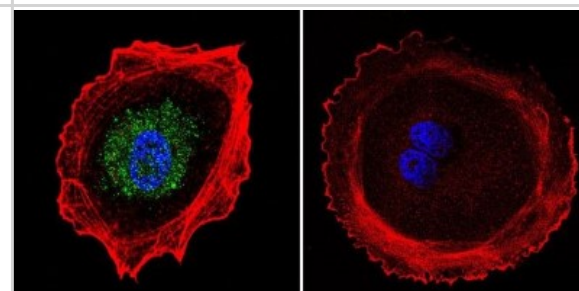
Western Blot: AP2 alpha Antibody (3B5) [NB100-74359] - Figure 1 illustrates Western blot detection of AP-2 from MCF7 cell lysate.



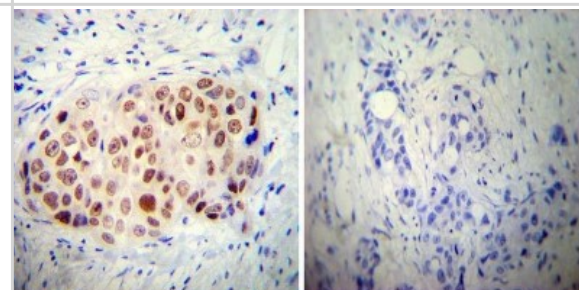
Immunocytochemistry/Immunofluorescence: AP2 alpha Antibody (3B5) [NB100-74359] - Analysis of AP2 using Anti-AP2 Monoclonal Antibody (3B5) shows staining in U251 Cells. AP2 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



Immunocytochemistry/Immunofluorescence: AP2 alpha Antibody (3B5) [NB100-74359] - Analysis of AP2 using Anti-AP2 Monoclonal Antibody (3B5) shows staining in MCF-7 Cells. AP2 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



Immunohistochemistry-Paraffin: AP2 alpha Antibody (3B5) [NB100-74359] - Immunohistochemistry was performed on cancer biopsies of deparaffinized Human breast carcinoma tissue.



## Publications

Wilson NR, Olm-Shipman AJ, Acevedo DS et al. SPECC1L deficiency results in increased adherens junction stability and reduced cranial neural crest cell delamination. Sci Rep. 2016 Jan 20 [PMID: 26787558] (ICC/IF, Mouse)

Milgrom-Hoffman M, Michailovici I, Ferrara N et al. Endothelial cells regulate neural crest and second heart field morphogenesis. Biol Open 2014 Jul 04 [PMID: 24996922] (IHC-Fr, Chicken)

### Details:

Antibody used as cranial neural crest marker in IHC-Fr application on cryo-sections of controls and Flk1 cKO mutants chick embryos (Fig. 2M/R). Staining also performed on Mesp1Cre Flk1 control and mutant embryos/explants (Fig 3C/G).



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### **Products Related to NB100-74359**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00007020-Q01-10ug	Recombinant Human AP2 alpha GST (N-Term) Protein

### **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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