

Product Datasheet

AKT3 Antibody NB100-1480

Unit Size: 0.1 mg

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

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NB100-1480

AKT3 Antibody

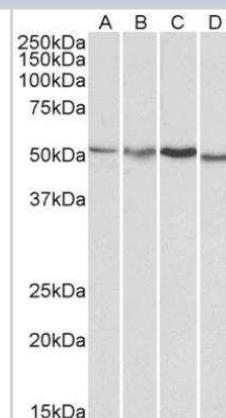
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	10000
Gene Symbol	AKT3
Species	Human, Mouse, Rat
Specificity/Sensitivity	This antibody is expected to recognise an epitope corresponding to aa 119-133 of both isoforms of human AKT3 protein. This antibody does not cross-react with human AKT1/2. Reported variants represent identical protein (NP_859029.1; NP_001193658.1).
Immunogen	Peptide with sequence CSPTSQIDNIGEEEM corresponding to internal region according to NP_005456.1, NP_859029.1.

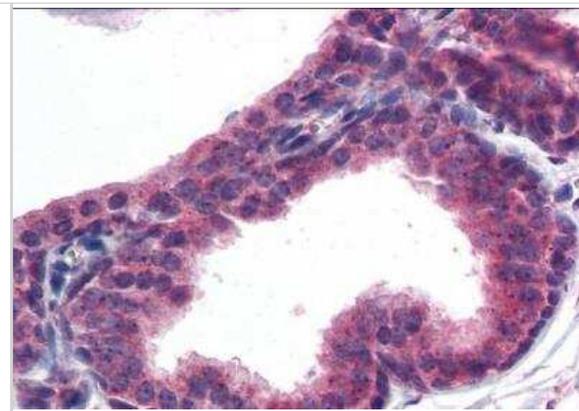
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 1 - 3 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 5 ug/ml, Peptide ELISA Detection limit 1:16000
Application Notes	WB: A 50-55 kDa band observed in HepG2 and Jurkat lysates and in mouse and rat brain lysates (calculated MW of 54.0 kDa band according to NP_859029.1 IHC: Paraffin embedded Human Prostate and Heart.

Images

Western Blot: AKT3 Antibody [NB100-1480] - staining of HepG2 (A), Jurkat (B), Mouse Brain (C) and Rat Brain (D) lysates (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry-Paraffin: AKT3 Antibody [NB100-1480] - staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



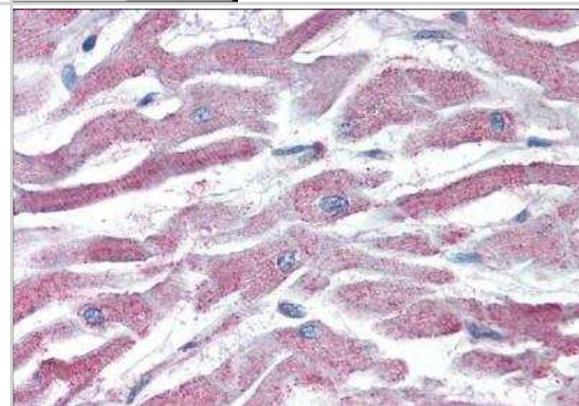
Western Blot: AKT3 Antibody [NB100-1480] - (1ug/ml) staining of HepG2lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa
10kDa

Western Blot: AKT3 Antibody [NB100-1480] - HEK293 overexpressing AKT3 (RC224750) and probed with (mock transfection in second lane)

188 —
98 —
62 —
49 —
38 —
28 —
17 —
14 —

Immunohistochemistry-Paraffin: AKT3 Antibody [NB100-1480] - staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Zinda MJ, Johnson MA, Paul JD et al. AKT-1, -2, and -3 are expressed in both normal and tumor tissues of the lung, breast, prostate, and colon. Clin Cancer Res 2001-08-01 [PMID: 11489829]



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Products Related to NB100-1480

NBL1-07443	AKT3 Overexpression Lysate
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

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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