

Product Datasheet

AKT1 [p Ser473] Antibody (17F6.B11) [DyLight 488] NBP1-77701

Unit Size: 0.1 mg

Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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NBP1-77701

AKT1 [p Ser473] Antibody (17F6.B11) [DyLight 488]

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	17F6.B11
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent)
Isotype	IgG1 Kappa
Conjugate	DyLight 488
Purity	Protein A purified
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

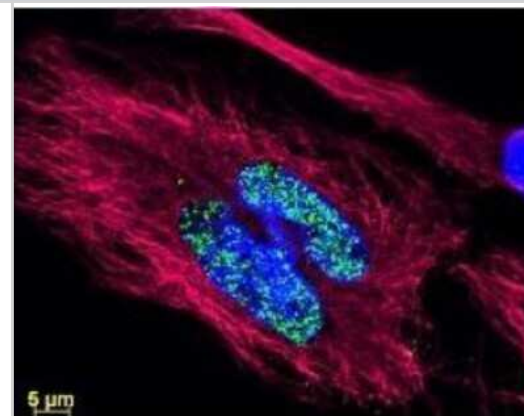
Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This product was purified from concentrated tissue culture supernate by Protein A chromatography</p>
Host	Mouse
Gene ID	207
Gene Symbol	AKT1
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	A BLAST analysis was used to suggest cross-reactivity with AKT1 pS473 from human, mouse, rat and chimpanzee sources based on 100% homology with the immunizing sequence. Cross-reactivity with AKT1 from other sources has not been determined. Cross-reactivity with AKT2 and AKT3 has not been determined.
Specificity/Sensitivity	This phospho specific monoclonal antibody is specific for phosphorylated human and mouse AKT protein at S473. A BLAST analysis was used to suggest cross-reactivity with AKT pS473 from human, mouse, rat and chimpanzee sources based on 100% homology with the immunizing sequence. Cross-reactivity with AKT from other sources has not been determined. Cross-reactivity with AKT2 and AKT3 has not been determined.
Immunogen	AKT1 [p Ser473] Antibody (17F6.B11) was produced by repeated immunizations with a synthetic peptide corresponding to residues surrounding S473 of human AKT11 protein, followed by hybridoma development. (Uniprot: P31749)
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details

Applications	Western Blot, ELISA, Fluorophore-linked immunosorbent assay, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500 - 1:3000, Flow Cytometry 1:10 - 1:1000, ELISA 1:20000, Immunohistochemistry 20 ug/mL, Immunocytochemistry/ Immunofluorescence >1:5000, Immunohistochemistry-Paraffin 20 ug/mL, Fluorophore-linked immunosorbent assay 1:100-1:2000
Application Notes	This monoclonal antibody is suitable for immunofluorescence microscopy, FLISA, flow cytometry, and western blotting. Expect a band approximately 56 kDa in size corresponding to phosphorylated AKT protein by western blotting in the appropriate cell lysate or extract. This phospho-specific monoclonal antibody reacts with human and mouse AKT pS473 and shows minimal reactivity by ELISA against the non-phosphorylated form of the immunizing peptide. Specific conditions for reactivity should be optimized by the end user.

Images

Immunocytochemistry/Immunofluorescence: AKT1 [p Ser473] Antibody (17F6.B11) [DyLight 488] [NBP1-77701] - ICC/IF analysis. Histone detection using a DyLight 488 conjugate (green). Tubulin was detected using a DyLight 549 conjugate (red). Nuclei were counter-stained using DAPI (blue).





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Products Related to NBP1-77701

NBP1-43319G-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 488]
NBP2-52121-0.05mg	Recombinant Human AKT1 His Protein
210-TA-005	TNF-alpha [Unconjugated]
DYC2289C-2	AKT1 [p Ser473] [Biotin]

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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