

Product Datasheet

beta Tubulin Antibody (TU-06) NB120-7792

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB120-7792

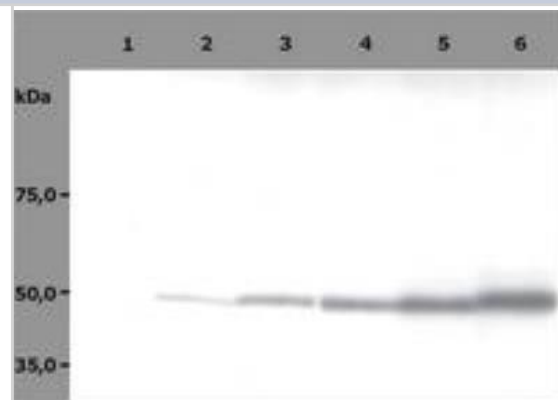
beta Tubulin Antibody (TU-06)

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	TU-06
Preservative	15mM Sodium Azide
Isotype	IgM
Purity	Ammonium sulfate precipitation
Buffer	TBS (approx. pH 8.0)
Product Description	
Host	Mouse
Gene ID	203068
Gene Symbol	TUBB
Species	Human, Mouse, Rat, Plant
Reactivity Notes	Expected species cross-reactivity based on sequence homology: Carp, Chicken, Bovine, Hamster, Porcine, Plants, S.Cerevisiae, S.Pombe, and Protozoa. Plant reactivity reported in scientific literature (PMID: 26594217).
Marker	Microtubule Marker
Specificity/Sensitivity	The antibody TU-06 recognizes an epitope (aa 81-95) on phylogenetically conserved N-terminal structural domain of beta-tubulin (recognizes all beta-tubulin isoforms) in various species.
Immunogen	Beta-subunits of porcine brain tubulin.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 2 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	Western Blot: Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with reducing Laemmli SDS-PAGE sample buffer. Application note: Reducing conditions. Immunocytochemistry - Staining technique: fixed and permeabilized cells

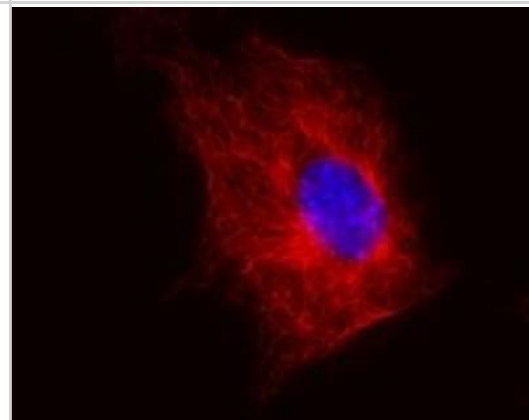


Images

Western Blot: beta Tubulin Antibody (TU-06) [NB120-7792] - Analysis (reducing conditions) of HPB-ALL human peripheral blood leukemia cell line. Lane 1: negative control. Lane 2,3,4,5,6: immunostaining with anti-beta-tubulin (TU-06; dilution 0,5 ug/ml, 1 ug/ml, 2 ug/ml, 4 ug/ml, 5 ug/ml).



Immunocytochemistry/Immunofluorescence: beta Tubulin Antibody (TU-06) [NB120-7792] - Staining of 3T3 mouse embryonal fibroblast cell line using anti-beta-tubulin (TU-06) (detection by Goat anti-mouse IgM Cy (R)5). Nucleus is stained with DAPI (blue).



Publications

Gzyl J, Chmielowska-Bak J, Przymusinski R, Gwozdz EA. Cadmium affects microtubule organization and post-translational modifications of tubulin in seedlings of soybean (*Glycine max* L.). *Front Plant Sci.* 2015 Nov 23 [PMID: 26594217] (WB, Plant)

Details:

beta Tubulin Antibody (TU-06) was used for WB analysis (2D gel electrophoresis) of various beta-isoforms of tubulin in seedlings of soybean *Glycine max* L (FIGURE 5).

Lee C, Mullen Grey AK, Riddick DS. Loss of hepatic aryl hydrocarbon receptor protein in adrenalectomized rats does not involve altered levels of the receptor's cytoplasmic chaperones. *Can J Physiol Pharmacol.* 2013 Dec [PMID: 24289088] (WB, Rat)



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Products Related to NB120-7792

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97007	Mouse IgM Isotype Control
H00203068-P01-10ug	Recombinant Human beta Tubulin 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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