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# Datasheet for ABIN2777955 anti-TUB antibody (N-Term)

2 Images



#### Overview

Quantity:	100 μL
Target:	TUB
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Horse, Rabbit, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Alternative Name:

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TUB
Sequence:	DSLASVQLGA TRPTAPASAK RTKAAATAGG QGGAARKEKK GKHKGTSGPA
Predicted Reactivity:	Dog: 92%, Guinea Pig: 85%, Horse: 85%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against TUB. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	TUB

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TUB (TUB Products)

## Target Details

Background:	TUB functions in signal transduction from heterotrimeric G protein-coupled receptors. It could
	be involved in the hypothalamic regulation of body weight. This gene encodes a member of the
	Tubby family of bipartite transcription factors. The encoded protein may play a role in obesity
	and sensorineural degradation. The crystal structure has been determined for a similar protein
	in mouse, and it functions as a membrane-bound transcription regulator that translocates to
	the nucleus in response to phosphoinositide hydrolysis. Two transcript variants encoding
	distinct isoforms have been identified for this gene.
	Alias Symbols: rd5
	Protein Interaction Partner: UBC, SUV420H2, GNAQ, SRC, ABL1, PLCG1, PIK3R1, LCK, JAK2,
	IRS1, GRB2,
	Protein Size: 561
Molecular Weight:	62 kDa
Gene ID:	7275
NCBI Accession:	NM_003320, NP_003311
UniProt:	P50607
Pathways:	RTK Signaling, Sensory Perception of Sound

# Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 561 AA
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

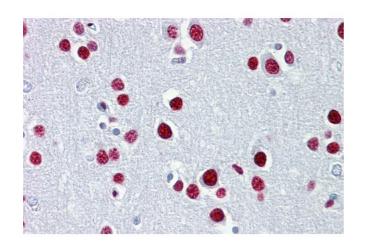
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#### Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

#### Images



#### Immunohistochemistry

**Image 1.** Immunohistochemistry with Brain, cortex tissue at an antibody concentration of 5µg/ml using anti-TUB antibody (ARP33467\_P050)



#### Western Blotting

**Image 2.** WB Suggested Anti-TUB Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Human Lung

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