

# β-tubulin-HRP Antibody

Catalog No: #48375



Package Size: #48375-1 50ul #48375-2 100ul

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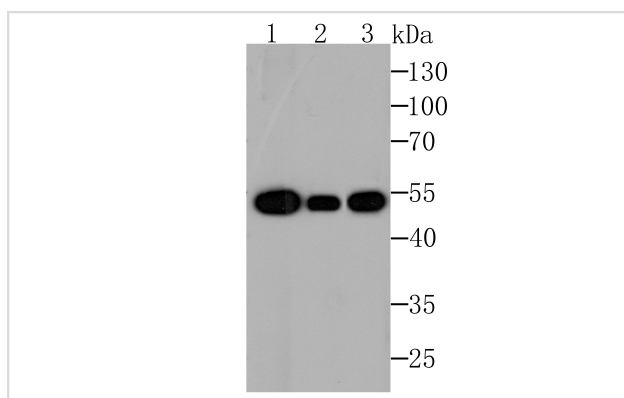
## Description

Product Name	β-tubulin-HRP Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	1-B11
Purification	ProA affinity purified
Applications	WB,IHC
Species Reactivity	Human;Mouse;Rat;Zebrafish
Immunogen Description	Peptide
Conjugates	Unconjugated
Other Names	Beta 4 tubulin antibody Beta 5 tubulin antibody beta 1b tubulin antibody Beta1 tubulin antibody Class I beta tubulin antibody M40 antibody MGC117247 antibody MGC16435 antibody OK/SW cl.56 antibody OK/SWcl.56 antibody TBB5_HUMAN antibody TUBB 1 antibody TUBB 2 antibody TUBB 5 antibody TUBB antibody TUBB1 antibody TUBB2 antibody TUBB5 antibody tubulin beta 1 chain antibody Tubulin beta 2 chain antibody tubulin beta 5 chain antibody Tubulin beta chain antibody Tubulin beta class I antibody tubulin beta polypeptide antibody Tubulin beta-5 chain antibody
Accession No.	Swiss-Prot#:P07437
Calculated MW	50 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

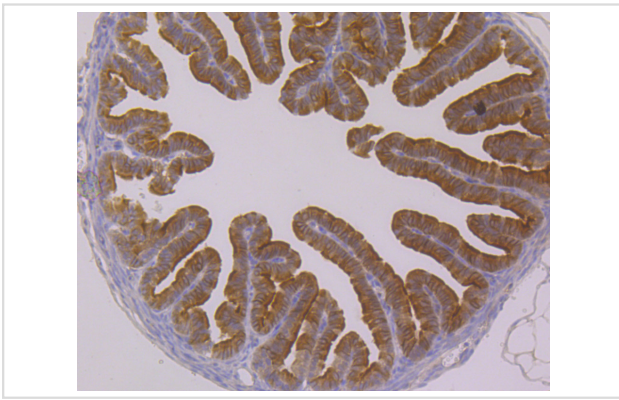
## Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200

## Images



Western blot analysis of beta Tubulin-HRP on different lysates using anti-beta Tubulin-HRP antibody at 1/1,000 dilution. Positive control 1/200 Lane 1: HeLa Lane 2: NIH-3T3 Lane 3: PC-12



Immunohistochemical analysis of paraffin-embedded mouse fallopian tube tissue using anti-beta Tubulin-HRP in antibody. Counter stained with hematoxylin.

## Background

Tubulin is one of several members of a small family of globular proteins. The most common members of the tubulin family are  $\alpha$ -tubulin and  $\beta$ -tubulin. The beta-tubulin (relative molecular weight about 50 kDa) is counterpart of alpha-tubulin in tubulin heterodimer, it is coded by multiple tubulin genes and it is also posttranslationally modified. Heterogeneity of subunit is concentrated in C-terminal structural domain. Beta-Tubulin may have bound GTP or GDP. Under certain conditions  $\beta$ -tubulin can hydrolyze its bound GTP to GDP plus  $P_i$ , release the  $P_i$ , and exchange the GDP for GTP.

## References

1. Leandro-Garcia L.J. et al. Tumoral and tissue-specific expression of the major human beta-tubulin isotypes. *Cytoskeleton* 67:214-223 (2010).
2. Crabtree D.V. et al. Tubulins in the primate retina: evidence that xanthophylls may be endogenous ligands for the paclitaxel-binding site. *Med. Chem.* 9:1967-1976(2000).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.