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Datasheet for ABIN7127031  
**anti-DNMBP antibody (AA 1-115)**

## Overview

Quantity:	100 µg
Target:	DNMBP
Binding Specificity:	AA 1-115
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DNMBP antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

## Product Details

Immunogen:	Recombinant fragment (aa 1-115) of human Tubulin Alpha protein (exact sequence is proprietary)
Isotype:	IgG1
Specificity:	Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. This MAb recognizes an epitope of alpha-tubulin. The alpha-tubulin is globular protein that exists in cells as part of soluble alpha/beta-tubulin dimer or it is polymerized into microtubules. In different species it is coded by multiple tubulin genes that form tubulin classes (in human 6 genes). Expressed tubulin genes are named tubulin isotypes. Some of the tubulin isotypes are expressed ubiquitously, while some have more restricted tissue expression. Alpha-tubulin is also subject of numerous post-translational modifications. Tubulin isotypes and their posttranslational modifications are responsible for multiple tubulin charge variants - tubulin isoforms. Heterogeneity of alpha-

## Product Details

tubulin is concentrated in C-terminal structural domain

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## Target Details

Target: DNMBP

Alternative Name: TUBA ([DNMBP Products](#))

Background: Alpha-tubulin 1, Hum a tub1, Hum a tub2, Testis-specific alpha-tubulin, TUBA1, TUBA1A, Tuba4a, Tubulin alpha-1 chain, Tubulin H2-alpha, Tubulin, alpha 1 (testis specific), Tubulin, alpha 4a, Tubulin-alpha (Microtubule Marker)  
Cellular localisation: Cell Surface Cytoplasmic

Molecular Weight: 55kDa

Gene ID: 7277, 75318

UniProt: [P68363](#), [P68366](#)

## Application Details

Application Notes: Known\_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.  
Positive\_Control: Human prostate, lung or colon tissues (IHC).

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

## Handling

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Expiry Date: 24 months