

Product datasheet

Anti-RanGAP1 antibody ab88682

4 图像

概述

产品名称	Anti-RanGAP1抗体
描述	小鼠多克隆抗体to RanGAP1
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant full length human RanGAP1, amino acids 1-587 (NP_002874.1)
阳性对照	Jurkat cell lysate, RanGAP1 transfected 293T cell lysate, human placenta tissue and HeLa cells.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: 1X PBS, pH 7.2
纯度	Protein A purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab88682** in the following tested applications.

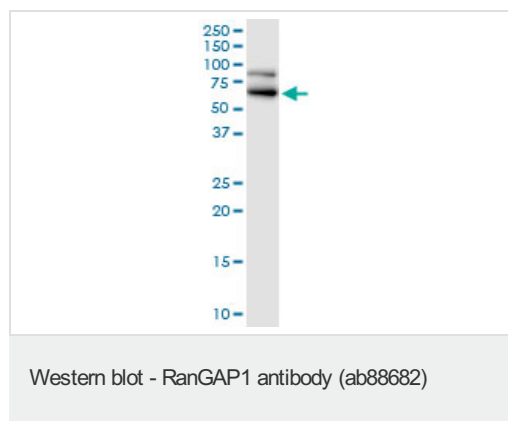
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 64 kDa.
IHC-P		Use a concentration of 3 µg/ml.
ICC/IF		Use a concentration of 10 µg/ml.

## 靶标

功能	GTPase activator for the nuclear Ras-related regulatory protein Ran, converting it to the putatively inactive GDP-bound state.
组织特异性	Highly expressed in brain, thymus and testis.
序列相似性	Belongs to the RNA1 family. Contains 6 LRR (leucine-rich) repeats.
翻译后修饰	Phosphorylated occurs before nuclear envelope breakdown and continues throughout mitosis. Phosphorylated by the M-phase kinase cyclin B/Cdk1, in vitro. Differential timing of dephosphorylation occurs during phases of mitosis. The phosphorylated form remains associated with RANBP2/NUP358 and the SUMO E2-conjugating enzyme, UBC9, on nuclear pore complex (NPC) disassembly and during mitosis. Sumoylated with SUMO1. Sumoylation is necessary for targeting to the nuclear envelope (NE), and for association with mitotic spindles and kinetochores during mitosis. Also required for interaction with RANBP2 and is mediated by UBC9.
细胞定位	Cytoplasm. Nucleus membrane. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle pole. Cytoplasmic during interphase. Targeted to the nuclear rim after sumoylation. During mitosis, associates with mitotic spindles. Association with kinetochores appears soon after nuclear envelope breakdown and persists until late anaphase. Mitotic location also requires sumoylation.

## 图片

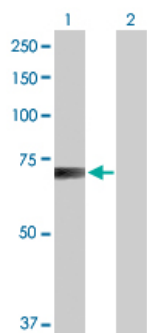


Anti-RanGAP1 antibody (ab88682) at 1  $\mu$ g/ml  
+ Jurkat cell lysate at 50  $\mu$ g

**Predicted band size** : 64 kDa

**Observed band size** : 64 kDa

**Additional bands at** : 85 kDa. We are unsure as to the identity of these extra bands.



Western blot - RanGAP1 antibody (ab88682)

**All lanes :** Anti-RanGAP1 antibody (ab88682) at 1 µg/ml

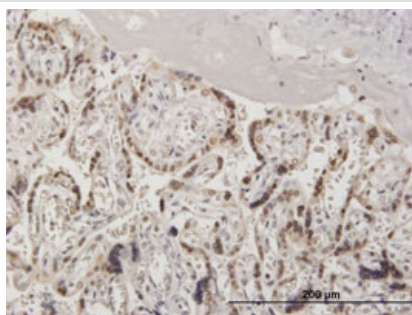
**Lane 1 :** RanGAP1 transfected 293T cell lysate

**Lane 2 :** Non-transfected lysate

Lysates/proteins at 25 µg per lane.

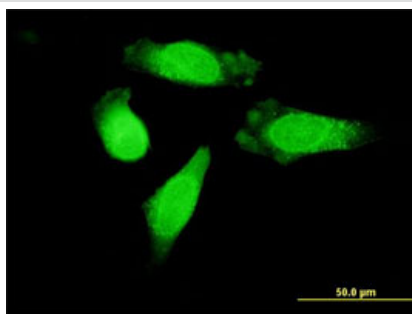
**Predicted band size :** 64 kDa

**Observed band size :** 64 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - RanGAP1 antibody (ab88682)

ab88682 at 3µg/ml staining RanGAP1 in human placenta by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue.



Immunocytochemistry/ Immunofluorescence - RanGAP1 antibody (ab88682)

ab88682 at 10µg/ml staining RanGAP1 in HeLa cells by Immunofluorescence.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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