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Datasheet for ABIN1421536

## anti-MIS18 Binding Protein 1 (MIS18BP1) antibody (HRP)

### Overview

Quantity:	100 µL
Target:	MIS18 Binding Protein 1 (MIS18BP1)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	HRP
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KNL2/C14orf106
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	MIS18 Binding Protein 1 (MIS18BP1)
Alternative Name:	C14orf106 ( <a href="#">MIS18BP1 Products</a> )
Background:	Synonyms: Chromosome 14 open reading frame 106, HsKNL-2, KIAA1903, Kinetochores-associated protein KNL-2 homolog, M18BP1, Mis18-binding protein 1, MIS18BP1, P243, Putative protein p243 which interacts with transcription factor Sp1, Uncharacterized potential DNA binding protein C14orf106, M18BP_HUMAN.

## Target Details

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Background: C14orf106 is required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis. It interacts with SP1. There are two isoforms. Chromosome 14 contains about 700 genes and 106 million base pairs and makes up about 3.5 % of human cellular DNA. Chromosome 14 encodes the presenilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease. The SERPINA1 gene is located on chromosome 14 and when defective leads to the genetic disorder  $\alpha$ -antitrypsin deficiency. This disorder is characterized by severe lung complications and liver dysfunction. Notably, the immunoglobulin heavy chain locus is found on chromosome 14 and has been identified as a fusion with the chromosome 19 encoded protein BCL3 in the (14,19) translocations found in a variety of B cell malignancies. The C14orf106 gene product has been provisionally designated C14orf106 pending further characterization.

Pathways: [Chromatin Binding](#)

## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1  $\mu$ g/ $\mu$ L

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months