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Datasheet for ABIN1385439  
**anti-C14orf174 antibody**

### Overview

Quantity:	100 µL
Target:	C14orf174
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C14orf174 antibody is un-conjugated
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SAMD15/C14orf174
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	C14orf174
Alternative Name:	C14orf174 ( <a href="#">C14orf174 Products</a> )
Background:	Synonyms: chromosome 14 open reading frame 174, FAM15A, SAM domain-containing protein 15, SAM15_HUMAN, SAMD15, Sterile alpha mot domain-containing protein 15. Background: C14orf174, is a 674 amino acid protein that contains one SAM (sterile alpha motif)

## Target Details

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domain. Existing as two alternatively spliced isoforms, C14orf174 is encoded by a gene that maps to human chromosome 14q24.3. 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 Bcl-3 in the (14,19) translocations found in a variety of B cell malignancies.

## Application Details

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Application Notes:           WB 1:300-5000  
                                      IHC-P 1:200-400  
                                      IF(IHC-P) 1:50-200

Restrictions:                 For Research Use only

## Handling

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Format:                        Liquid

Concentration:               1  $\mu\text{g}/\mu\text{L}$

Buffer:                        0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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.

Storage:                      4 °C, -20 °C

Storage Comment:         Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date:                 12 months