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Datasheet for ABIN1402062

**anti-RANBP2 antibody (Alexa Fluor 647)**

## Overview

Quantity:	100 µL
Target:	RANBP2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RANBP2 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RanBP2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	RANBP2
Alternative Name:	RanBP2 ( <a href="#">RANBP2 Products</a> )
Background:	Synonyms: Nuclear pore complex protein Nup358, Nucleoporin 358, Nucleoporin Nup358, NUP358, P270, RAN binding protein 2, Ran-binding protein 2, RANBP2, RBP2_HUMAN, Transformation related protein 2, TRP 1, TRP 2, TRP1, TRP2, 358 kDa nucleoporin, E3 SUMO-protein ligase RanBP2.

## Target Details

Background: The nuclear pore complex protein, Ran-binding protein 2 (Ran BP-2 or Nup358), contains four Ran-binding domains. Ran BP-2 is a large scaffold cyclophilin-related protein expressed in photoreceptor cells. Ran BP-2 localization at cytoplasmic fibrils emanating from the nuclear pore complex and interaction with the Ran-GTPase support its role in nucleocytoplasmic transport processes. In humans, the Ran BP-2 gene is partially duplicated in a gene cluster and lies in a hot spot for recombination on chromosome 2q. This genetic heterogeneity renders further significance of this genomic region in human disease due to its possible involvement in genetically linked disorders such as juvenile nephronophthisis, congenital hepatic fibrosis and chorioretinal dysplasia.

Gene ID:	5903
Pathways:	<a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Protein targeting to Nucleus</a>

## Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
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.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months