

## Datasheet for ABIN1419126 **anti-RNF8 antibody (Cy5)**

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### Overview

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                          |
| Target:      | RNF8                                                                            |
| Reactivity:  | Human, Mouse, Rat                                                               |
| Host:        | Rabbit                                                                          |
| Clonality:   | Polyclonal                                                                      |
| Conjugate:   | This RNF8 antibody is conjugated to Cy5                                         |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human RNF8 |
| Isotype:          | IgG                                                      |
| Cross-Reactivity: | Human, Mouse, Rat                                        |
| Purification:     | Purified by Protein A.                                   |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | RNF8                                                                                                                                                                                                                                                                                                                                                |
| Alternative Name: | RNF8 ( <a href="#">RNF8 Products</a> )                                                                                                                                                                                                                                                                                                              |
| Background:       | <p>Synonyms: C3HC4 type zinc finger protein, E3 ubiquitin protein ligase RNF8, E3 ubiquitin-protein ligase RNF8, Ring finger protein C3HC4 type 8, RING finger protein 8, RNF 8, RNF8, RNF8_HUMAN, UBC13/UEV interacting ring finger protein.</p> <p>Background: The RING finger motif is a specialized DNA-binding zinc finger domain found in</p> |

## Target Details

many transcriptional regulatory proteins. The ring finger protein (RNF) family includes any protein containing the signature RING finger motif. RNF8 is a ubiquitously expressed nuclear RING finger protein that acts as an E3 ubiquitin-protein ligase. It is required for the ubiquitination of some nuclear proteins and promotes their subsequent degradation. The heterodimeric ubiquitin-conjugating enzyme UBC13 interacts with RNF8, and they co-localize in the nucleus. RNF8 may regulate mediation of UBC13 polyubiquitylation by elongating the ubiquitin chains. RNF8 also binds to Retinoid X receptor alpha (RXR $\alpha$ ), a member of the steroid hormone receptor superfamily. It increases RXR $\alpha$ -mediated transactivation of the RXR $\alpha$ -responsive element (RXRE) promoter in a dose-dependent manner, suggesting that RNF8 is a regulator of RXR $\alpha$ -mediated transcriptional activity.

|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| Gene ID:  | 9025                                                                |
| Pathways: | <a href="#">Production of Molecular Mediator of Immune Response</a> |

## Application Details

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

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| 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. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |