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# CIKS/TRAF3IP2 Rabbit pAb

Catalog # AP98168

## Product Information

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| **Application** | IHC-P, IHC-F, IF |
| **Primary Accession** | O43734 |
| **Other Accession** | O43734 |
| **Reactivity** | Rat |
| **Predicted** | Pig, Human, Mouse, Rabbit, Chicken, Dog |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 64666 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human TRAF3IP2 |
| **Epitope Specificity** | 501-574/574 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Contains 1 SEFIR domain. |
| **SUBUNIT** | Interacts with IKBKG/NF-kappa B essential modulator, with CHUK/IKK-alpha and with IKBKB/IKK-beta. Interacts with TRAF6. |
| **DISEASE** | Defects in TRAF3IP2 are the cause of susceptibility to psoriasis type 13 (PSORS13) [MIM:614070]. PSORS13 is a common, chronic inflammatory disease of the skin with multifactorial etiology. It is characterized by red, scaly plaques usually found on the scalp, elbows and knees. These lesions are caused by abnormal keratinocyte proliferation and infiltration of inflammatory cells into the dermis and epidermis. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | Could be involved in the activation of both NF-kappa-B via a NF-kappa-B inhibitor kinase (IKK)-dependent mechanism and stress-activated protein kinase (SAPK)/JNK. |

## Additional Information

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| **Gene ID** | 10758 |
| **Other Names** | ACT1; C6orf2; C6orf4; C6orf5; C6orf6; CANDF8; CIKS; PSORS13; RGD1304768; CIKS_HUMAN; TRAF3IP2; Adapter protein CIKS; Connection to IKK and SAPK/JNK; E3 ubiquitin-protein ligase CIKS; Nuclear factor NF-kappa-B activator 1 (ACT1); TRAF3-interacting protein 2; 2.3.2.27; TRAF3 interacting protein 2; chromosome 6 open reading frame 5; chromosome 6 open reading frame 2 |
| **Dilution** | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When |

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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| **Name** | TRAF3IP2 ( HGNC:1343) |
| **Function** | E3 ubiquitin ligase that catalyzes 'Lys-63'-linked polyubiquitination of target protein, enhancing protein-protein interaction and cell signaling (PubMed:19825828). Transfers ubiquitin from E2 ubiquitin-conjugating enzyme UBE2V1-UBE2N to substrate protein (PubMed:19825828). Essential adapter molecule in IL17A-mediated signaling (PubMed:19825828, PubMed:24120361). Upon IL17A stimulation, interacts with IL17RA and IL17RC receptor chains through SEFIR domains and catalyzes 'Lys-63'-linked polyubiquitination of TRAF6, leading to TRAF6-mediated activation of NF-kappa-B and MAPkinase pathways (PubMed:19825828). |
| **Tissue Location** | Widely expressed. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.