ARG59484
anti-UHRF2 / NIRF antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes UHRF2 / NIRF
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Rb
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UHRF2 / NIRF
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human UHRF2 / NIRF. (within the following region: TNKLDSVPSTSNSDCVAADEDVIYHIQYDEYPESGTLEMNVKDLRPRART)
Conjugation	Un-conjugated
Alternate Names	Nuclear zinc finger protein Np97; EC 6.3.2.-; Ubiquitin-like PHD and RING finger domain-containing protein 2; RING finger protein 107; Nuclear protein 97; Np95-like RING finger protein; RNF107; NIRF; URF2; Np95/ICBP90-like RING finger protein; Ubiquitin-like-containing PHD and RING finger domains protein 2; E3 ubiquitin-protein ligase UHRF2

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 86%; Dog: 86%; Guinea pig: 93%; Horse: 86%; Mouse: 86%; Rabbit: 100%; Rat: 93%

Application table

Application	Dilution
WB	0.2 - 1 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Jurkat
Observed Size	~ 85 kDa

Properties

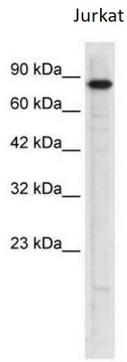
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	UHRF2
Gene Full Name	ubiquitin-like with PHD and ring finger domains 2, E3 ubiquitin protein ligase
Background	This gene encodes a nuclear protein which is involved in cell-cycle regulation. The encoded protein is a ubiquitin-ligase capable of ubiquinating PCNP (PEST-containing nuclear protein), and together they may play a role in tumorigenesis. The encoded protein contains an NIRF_N domain, a PHD finger, a set- and ring-associated (SRA) domain, and a RING finger domain and several of these domains have been shown to be essential for the regulation of cell proliferation. This protein may also have a role in intranuclear degradation of polyglutamine aggregates. Alternative splicing results in multiple transcript variants some of which are non-protein coding. [provided by RefSeq, Feb 2012]
Function	E3 ubiquitin-protein ligase that is an intermolecular hub protein in the cell cycle network. Through cooperative DNA and histone binding, may contribute to a tighter epigenetic control of gene expression in differentiated cells. Ubiquitinates cyclins, CCND1 and CCNE1, in an apparently phosphorylation-independent manner and induces G1 arrest. Also ubiquitinates PCNP leading to its degradation by the proteasome. E3 SUMO-, but not ubiquitin-, protein ligase for ZNF131. [UniProt]
Calculated Mw	90 kDa
PTM	May be autoubiquitinated; which may lead to proteasomal degradation. Phosphorylated. Phosphorylation may be mediated by CDK2. Autosumoylated. [UniProt]
Cellular Localization	Nucleus. Note=Enriched at pericentric heterochromatin (PH). This localization is dependent on the interaction with H3K9me3 (By similarity). [UniProt]

Images



ARG59484 anti-UHRF2 / NIRF antibody WB image

Western blot: Jurkat cell lysate stained with ARG59484 anti-UHRF2 / NIRF antibody at 0.2 - 1 µg/ml dilution.