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Product datasheet for TA380937

RIP (RIPK1) Rabbit Polyclonal Antibody

Product data:

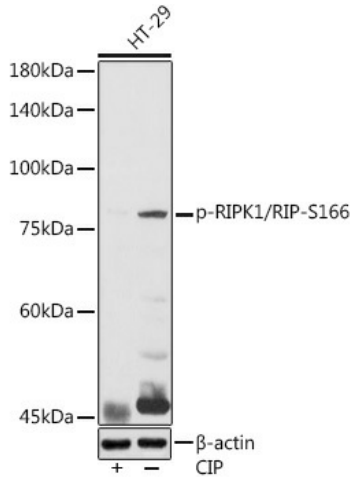
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB,1:500 - 1:2000
Reactivity:	Human, Mouse
Modifications:	Phospho S166
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A phospho specific peptide corresponding to residues surrounding S166 of human RIPK1/RIP
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Gene Name:	receptor interacting serine/threonine kinase 1
Database Link:	Entrez Gene 8737 Human Q8NFZ0

View online »

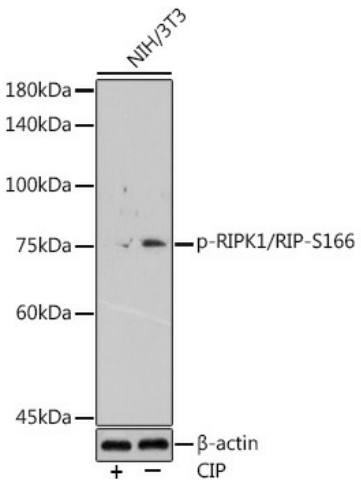
Background: 3'-5' DNA helicase and substrate-recognition component of the SCF(FBH1 E3 ubiquitin ligase complex that plays a key role in response to stalled/damaged replication forks. Involved in genome maintenance by acting as an anti-recombinogenic helicase and preventing extensive strand exchange during homologous recombination: promotes RAD51 filament dissolution from stalled forks, thereby inhibiting homologous recombination and preventing excessive recombination. Also promotes cell death and DNA double-strand breakage in response to replication stress: together with MUS81, promotes the endonucleolytic DNA cleavage following prolonged replication stress via its helicase activity, possibly to eliminate cells with excessive replication stress. Plays a major role in remodeling of stalled DNA forks by catalyzing fork regression, in which the fork reverses and the two nascent DNA strands anneal. In addition to the helicase activity, also acts as the substrate-recognition component of the SCF(FBH1 E3 ubiquitin ligase complex, a complex that mediates ubiquitination of RAD51, leading to regulate RAD51 subcellular location.

Synonyms: FLJ39204; OTTHUMP00000015955; RIP; RIP1

Product images:



Western blot analysis of extracts of HT-29 cells, using Phospho-RIPK1/RIP-S166 antibody (TA380937) at 1:500 dilution.HT-29 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour.|Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.|Lysates/proteins: 25ug per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit .|Exposure time: 30s.



Western blot analysis of extracts of NIH/3T3 cells, using Phospho-RIPK1/RIP-S166 antibody (TA380937) at 1:1000 dilution.NIH/3T3 cells were treated by CIP(20uL/400ul) at 37℃ for 1 hour.|Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.|Lysates/proteins: 25ug per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit .|Exposure time: 180s.