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XKR8 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI16000

Product Information

Application	WB
Primary Accession	Q9H6D3
Other Accession	NM_018053, NP_060523
Reactivity	Human, Rabbit
Predicted	Human, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44655

Additional Information

Gene ID	55113
Alias Symbol	RP11-460I13.3, XRG8
Other Names	XK-related protein 8, hXkr8, XK-related protein 8, processed form, XKR8, XRG8
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-XKR8 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	XKR8 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	XKR8 {ECO:0000303|PubMed:23845944, ECO:0000312|HGNC:HGNC:25508}
Function	[XK-related protein 8, processed form]: Phospholipid scramblase that promotes phosphatidylserine exposure on apoptotic cell surface (PubMed:23845944, PubMed:25231987, PubMed:34625749, PubMed:38364890). Phosphatidylserine is a specific marker only present at the surface of apoptotic cells and acts as a specific signal for engulfment (PubMed:23845944, PubMed:34625749, PubMed:38364890). Required for the clearance of apoptotic cells, such as engulfment of apoptotic germ cells by Sertoli cells, clearance of senescent neutrophils or regulation of bipolar cell numbers in the retina (By similarity). In the hippocampus, phosphatidylserine exposure also acts as a specific 'eat-me' marker for axon pruning during brain development (By similarity). Has no effect on calcium-induced exposure of

	phosphatidylserine (PubMed:23845944). Promotes myoblast differentiation and survival (PubMed:28881496).
Cellular Location	Cell membrane; Multi-pass membrane protein. Cytoplasm, perinuclear region

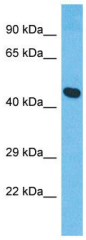
Background

Promotes phosphatidylserine exposure on apoptotic cell surface, possibly by mediating phospholipid scrambling. Phosphatidylserine is a specific marker only present at the surface of apoptotic cells and acts as a specific signal for engulfment. Has no effect on calcium-induced exposure of phosphatidylserine. Activated upon caspase cleavage, suggesting that it does not act prior the onset of apoptosis.

References

Huang C.-H.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).
Suzuki J.,et al.Science 341:403-406(2013).

Images



Host: Rabbit
Target Name: XKR8
Sample Tissue: HepG2 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

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