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11-13004: Polyclonal Antibody to RAX

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	PRKRA
Gene ID :	8575
Uniprot ID :	O75569
Format :	Purified
Alternative Name :	PRKRA,PACT,RAX,HSD-14,HSD14
Isotype :	Rabbit IgG
Immunogen Information :	A partial length recombinant RAX protein (amino acids 100-313) was used as the immunogen for this antibody.

Description

RAX or PRKRA (retina and anterior neural fold homeobox) is a homeobox-containing transcription factor. It plays an important role in eye development by regulating the initial specification of retinal cells. In the absence of double-stranded RNA, RAX activates EIF2AK2/PKR, so as to phosphorylate EIF2S1/EFI2-alpha leading to inhibition of translation and induction of apoptosis. RAX has been reported to be essential for siRNA production by DICER1 and for subsequent siRNA-mediated post-transcriptional gene silencing. Mutations in this gene have been reported in patients with defects in ocular development, including microphthalmia, anophthalmia and coloboma. RAX is expressed in blood, bone, brain, spleen and adipose tissues.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 1-2 Ã Âµg/ml

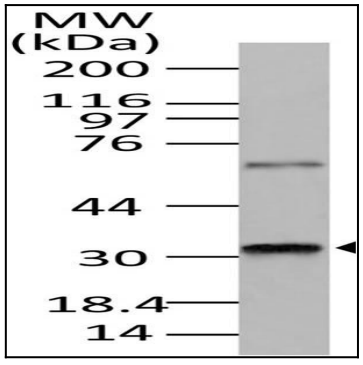


Fig-1: Western blot analysis of Rax. Anti-Rax antibody (11-13004) was used at 1 µg/ml on K562 lysate.

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