

# Anti-RAX/PACT [HL1950]

**Catalogue number:** 158411

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Richard Bennett

**Institute:** University of Florida Research Foundation

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-RAX/PACT [HL1950]

**Alternate name:** RAX/PACT; PRKRA

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Rax (mouse protein) and PACT (human ortholog) are the only known activators of PKR (double-stranded RNA dependent kinase). Rax and PACT share 98% amino acid sequence homology and contain three conserved dsRNA binding motifs. Phosphorylation of Serine 18 of RAX is required for PKR activation, which is known to be involved in the host anti-viral response, and can act as a signaling mediator by cytokines, growth factors and even tumor suppressors.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG2b kappa

**Reactivity:** Human ; Rat ; Mouse

**Selectivity:**

**Host:** Mouse

**Immunogen:** Two synthetic peptides corresponded to amino acids 13-25, containing phosphorylated and non-phosphorylated Ser 18 of PACT of mouse origin

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** interferon-inducible double stranded RNA-dependent protein kinase/Protein activator of the interferon-induced protein kinase (Rax/PACT)

**Target alternate names:**

**Target background:** Rax (mouse protein) and PACT (human ortholog) are the only known activators of PKR (double-stranded RNA dependent kinase). Rax and PACT share 98% amino acid sequence homology and contain three conserved dsRNA binding motifs. Phosphorylation of Serine 18 of RAX is required for PKR activation, which is known to be involved in the host anti-viral response, and can act as a signaling mediator by cytokines, growth factors and even tumor suppressors.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; WB ; IHC

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Bennett et al. 2004. J Biol Chem. 279(41):42687-93. PMID: 15299031.

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