

# PAK Beta Polyclonal Antibody

### Description

Product type Primary Antibody

Code BT-AP06899

**Host** Rabbit

Isotype IgG

**Size** 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human PAK3. AA range:121-170

Mol wt 62310

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name PAKbeta Antibody

Synonyms PAK3; OPHN3; Serine/threonine-protein kinase PAK 3; Beta-PAK; Oligophrenin-3; p21-activated kinase

3; PAK-3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

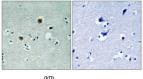
The protein encoded by PAK3 is a serine-threonine kinase and forms an activated complex with GTP-bound RAS-like P21, CDC2 and RAC1. This protein may be necessary for dendritic development and for the rapid cytoskeletal reorganization in dendritic spines associated with synaptic plasticity. Defects in PAK3 are the cause of non-syndromic mental retardation X-linked type 30 (MRX30), also called X-linked mental retardation type 47 (MRX47). Alternatively spliced transcript variants encoding different isoforms have been identified.

## Recommended Dilution

WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.

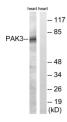
#### Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at  $1:100(4^{\circ}$  overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

(KD) 117-85-PAK3 48-34-26-19-

Western blot analysis of the lysates from HeLa cells using PAK3 antibody.



Western blot analysis of lysates from rat heart cells, using PAK3 Antibody. The lane on the right is blocked with the synthesized peptide.

## Storage

-20°C for one year

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