

Anti-PAK1/2/3 Polyclonal Antibody

Cat: K109623P

Summary:

【Product name】 : Anti-PAK1/2/3 antibody

【Source】 : Rabbit

【Isotype】 : IgG

【Species reactivity】 : Human Mouse Rat Cow

【Swiss Prot】 : Q13153/Q13177/O75914

【Gene ID】 : 5058/5062/5063

【Calculated】 : MW:58/61/62/63/65kDa

【Purification】 : Affinity purification

【Tested applications】 : IHC

【Recommended dilution】 : IHC 1:25-100.

【IHC Positive sample】 : Human stomach cancer

【Subcellular location】 : Cytoplasm Nucleus Cell membrane

【Immunogen】 : A synthetic peptide of human PAK1/2/3

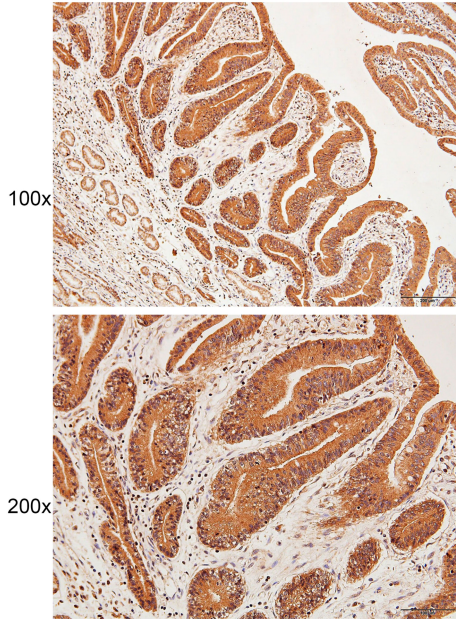
【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C

Background:

This gene encodes a family member of serine/threonine p21-activating kinases, known as PAK proteins. These proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling, and they serve as targets for the small GTP binding proteins Cdc42 and Rac. This specific family member regulates cell motility and morphology. Alternatively spliced transcript variants encoding different isoforms have been found for this gene./The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell./The protein encoded by this gene 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 this gene 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.

Verified picture

Stomach cancer (hu)



Immunohistochemistry of paraffin-embedded
Human stomach cancer with PAK1/2/3
antibody diluted at 1:80