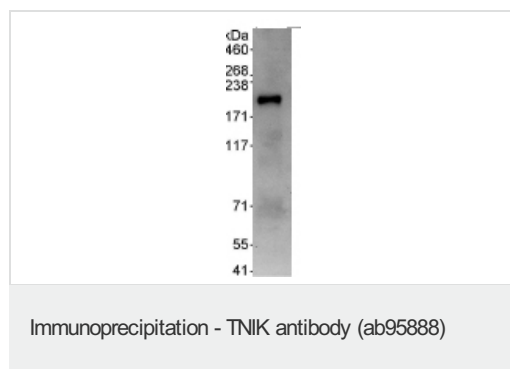




## 靶标

<b>功能</b>	Serine/threonine kinase that acts as an essential activator of the Wnt signaling pathway. Recruited to promoters of Wnt target genes and required to activate their expression. May act by phosphorylating TCF4/TCF7L2. Appears to act upstream of the JUN N-terminal pathway. May play a role in the response to environmental stress. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. More generally, it may play a role in cytoskeletal rearrangements and regulate cell spreading.
<b>组织特异性</b>	Expressed ubiquitously. Highest levels observed in heart, brain and skeletal muscle. Expressed in normal colonic epithelia and colorectal cancer tissues.
<b>序列相似性</b>	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 CNH domain. Contains 1 protein kinase domain.
<b>翻译后修饰</b>	Autophosphorylated. Autophosphorylation is activated by RAP2A and induces association to the cytoskeletal fraction.
<b>细胞定位</b>	Nucleus. Cytoplasm. Recycling endosome. Cytoplasm > cytoskeleton. Associated with recycling endosomes and the cytoskeletal fraction upon RAP2A overexpression.

## 图片



Detection of TNIK by Western Blot of Immunoprecipitate.  
anti-TNIK at 1 µg/ml staining TNIK in HeLa whole cell lysate immunoprecipitated using ab95888 at 3 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).  
Detection: Chemiluminescence with exposure time of 30 seconds.

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