

Anti-TLK2 Antibody

Catalog Number: A06645-2

About TLK2

Tousled-like kinases (TLKs) are a family of serine/threonine kinases located in the nucleus that promote S-phase chromatin assembly and mitotic chromosome segregation. There are two genes in the TLK family-TLK1 and TLK2 (PMID: 14561777). Mutation in TLK2 are associated with an elevated risk of breast cancer (PMID: 27489360). Tousled-like kinase 2 (TLK2) is a key factor in glioblastoma that modulates SRC signaling, thereby driving tumor malignancy. TLK2 is commonly upregulated in glioblastoma, and such upregulation was associated with poor patient outcomes. TLK2 overexpression induced cell growth, migration, invasion, and epithelialmesenchymal transition, and cell cycle arrest, while TLK2 knockdown had the opposite effect (PMID: 30207834). It can detect 3 isoforms of 88, 85 and 82 kDa.

Overview

Product Name	Anti-TLK2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TLK2 Antibody catalog # A06645-2. Tested in WB, IHC, ICC/IF, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q86UE8

Technical Details

Immunogen	E.coli-derived human TLK2 recombinant protein (Position: P514-S828).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

Immunohistochemistry, 1:50-400
Immunocytochemistry/Immunofluorescence, 1:50-400
ELISA, 1:100-1000

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