



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti AKAP9/AKAP450/CG-NAP

With HRP-conjugated Secondary Antibody

Catalog No.
ER-14-0123

Target Species
Human

Accession Number
NP_671700.1; NP_005742.4;
NP_671714.1

Description

Synonyms: AKAP9; CG-NAP; PRKA9; YOTIAO; AKAP350; HYPERION; KIAA0803; A kinase (PRKA) anchor protein (yotiao) 9; AKAP120-like protein; kinase N-associated protein; A-kinase anchoring protein 450; A-kinase anchor protein, 350kDa; protein kinase A anchoring protein 9; centrosome- and golgi-localized protein

Official Symbol: AKAP9

Preparation

Purification: Purified from goat serum by ammonium sulfate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Immunogen: Peptide with sequence C-SGSTTQFHAGMR, from the C Terminus of the protein sequence according to NP_671700.1; NP_005742.4; NP_671714.1.

Presentation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Reference

Ciampi R, Knauf JA, Kerler R, Gandhi M, Zhu Z, Nikiforova MN, Rabes HM, Fagin JA, Nikiforov YE. Oncogenic AKAP9-BRAF fusion is a novel mechanism of MAPK pathway activation in thyroid cancer. J Clin Invest. 2005 Jan;115(1):94-101.
PMID: 15630448

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Not for diagnostic or therapeutic use.**



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Specificity

This antibody is expected to recognize isoforms 1, 2 and 3 (NP_671700.1; NP_005742.4; NP_671714.1 respectively). The isoforms Yotiao, AKAP350B and AKAP350C are not recognized.

Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Peptide ELISA	•			Detection limit dilution 1:32000.
Western Blotting	•			1-3µg/ml.

(1) Approx 450kDa band observed in lysates of cell line HepG2 (calculated MW of 454kDa according to NP_671700.1).

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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