info@arigobio.com

ARG44487
anti-HEPACAM2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HEPACAM2
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HEPACAM2
Species	Human
Immunogen	Human HEPACAM2 recombinant protein
Conjugation	Un-conjugated
Alternate Names	HEPACAM2; HEPACAM Family Member 2; Mitotic Kinetics Regulator; FLJ38683; MIKI

Application Instructions

Application table

Application	Dilution
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

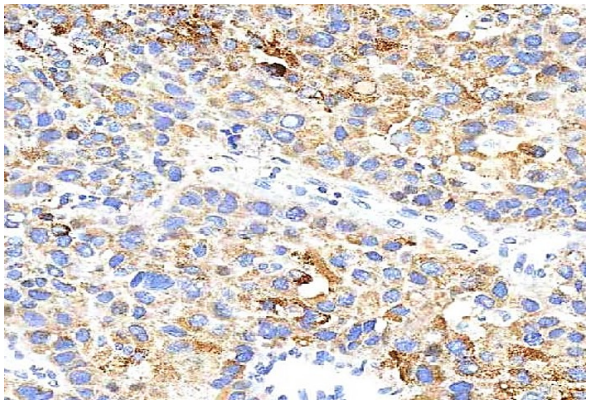
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

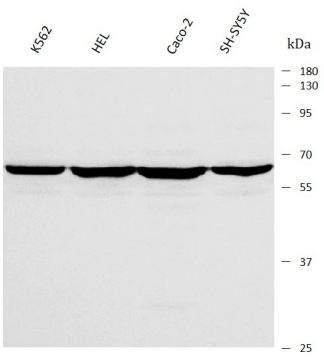
Gene Symbol	HEPACAM2
Gene Full Name	HEPACAM Family Member 2
Background	This gene encodes a protein related to the immunoglobulin superfamily that plays a role in mitosis. Knockdown of this gene results in prometaphase arrest, abnormal nuclear morphology and apoptosis. Poly(ADP-ribosylation) of the encoded protein promotes its translocation to centrosomes, which may stimulate centrosome maturation. A chromosomal deletion including this gene may be associated with myeloid leukemia and myelodysplastic syndrome in human patients.
Function	Required during prometaphase for centrosome maturation. Following poly-ADP-ribosylation (PARsylation) by TNKS, translocates from the Golgi apparatus to mitotic centrosomes and plays a key role in the formation of robust microtubules for prompt movement of chromosomes: anchors AKAP9/CG-NAP, a scaffold protein of the gamma-tubulin ring complex and promotes centrosome maturation.
Calculated Mw	51 kDa
PTM	ADP-ribosylation, Disulfide bond, Glycoprotein
Cellular Localization	Cytoplasm, Cytoskeleton, Golgi apparatus, Membrane

Images



ARG44487 anti-HEPACAM2 antibody IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG44487 anti-HEPACAM2 antibody at 2 µg/mL dilution.



ARG44487 anti-HEPACAM2 antibody WB image

Western blot: K562, HEL, Caco-2 and SH-SY5Y stained with ARG44487 anti-HEPACAM2 antibody at 0.5 µg/mL dilution.