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Anti-MAGEC2 Antibody

Catalog # AP51326

Product Information

Application	WB
Primary Accession	Q9UBF1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41163

Additional Information

Gene ID	51438
Other Names	HCA587; MAGEE1; Melanoma-associated antigen C2; Cancer/testis antigen 10; CT10; Hepatocellular carcinoma-associated antigen 587; MAGE-C2 antigen; MAGE-E1 antigen
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MAGEC2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

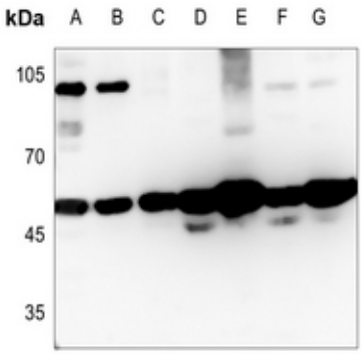
Name	MAGEC2
Synonyms	HCA587, MAGEE1
Function	Proposed to enhance ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases. In vitro enhances ubiquitin ligase activity of TRIM28 and stimulates p53/TP53 ubiquitination in presence of Ubl-conjugating enzyme UBE2H leading to p53/TP53 degradation. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzymes (E2) at the E3:substrate complex.
Cellular Location	Cytoplasm. Nucleus. Note=Nuclear in germ cells. Cytoplasmic in well-differentiated hepatocellular carcinoma, nuclear in moderately- and poorly-differentiated hepatocellular carcinoma
Tissue Location	Not expressed in normal tissues, except in germ cells in the seminiferous

tubules and in Purkinje cells of the cerebellum. Expressed in various tumors, including melanoma, lymphoma, as well as pancreatic cancer, mammary gland cancer, non-small cell lung cancer and liver cancer. In hepatocellular carcinoma, there is an inverse correlation between tumor differentiation and protein expression, i.e. the lower the differentiation, the higher percentage of expression.

References

Gure A.O.,et al.Int. J. Cancer 85:726-732(2000).
Lucas S.,et al.Int. J. Cancer 87:55-60(2000).
Wang Y.,et al.J. Immunol. 169:1102-1109(2002).
Ross M.T.,et al.Nature 434:325-337(2005).
Li B.,et al.Lab. Invest. 83:1185-1192(2003).

Images



Western blot analysis of MAGEC2 expression in HEK293T (A), U2OS (B), PC12 (C), mouse testis (D), mouse brain (E), rat testis (F), rat brain (G) whole cell lysates. (Predicted band size: 41 kD; Observed band size: 48 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.