

B7-H4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250473

Unit: 0.1 mg

Description:

Immune costimulatory protein B7-H4 (B7-H4) is expressed on the surface of a variety of immune cells and functions as a negative regulator of T cell response. By arresting cell cycle, B7-H4 inhibits growth, cytokine secretion and cytotoxicity development. When expressed on the cell surface of tumor macrophages, B7-H4 plays an important role, together with regulatory T-cells (Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. B7-H4 is also involved in promoting epithelial cell transformation. B7-H4 can be a predictive marker for renal cell carcinoma.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

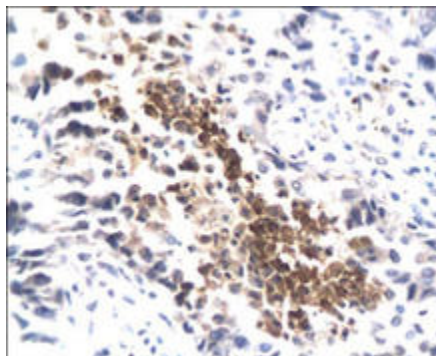
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: V-set domain-containing T-cell activation inhibitor 1; Immune costimulatory protein B7-H4; B7h.5; T-cell costimulatory molecule B7x; Protein B7S1; VTCN1; B7H4

Accession No.: Q7Z7D3

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human B7-H4.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-500



B7-H4 staining in human lung cancer. Paraffin-embedded human lung cancer tissue is stained with B7-H4 Antibody (Cat. No. 250473) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: [1] Galazka K et al. 2012. American Journal of Reproductive Immunology. 68(1):85-93. PMID# 22530960. [2] Basta P et al. 2011. American Journal of Reproductive Immunology. 65(2):164-172. PMID# 20645939. [3] Arigami T et al. 2011. Medicine. World Journal of Surgery. 35(9):2051-2057. PMID# 21748517. [4] Jung S et al. Korean Journal of Urology. 2011. 52(2): 90-95. PMID# 21379424.

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