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11-7537: Polyclonal Antibody to HGAL

Clonality :	Polyclonal
Application :	IHC,WB
Reactivity :	Human
Gene :	GCSAM
Gene ID :	257144
Uniprot ID :	Q8N6F7
Format :	Purified
Alternative Name :	GCSAM,GAL,GCET2
Isotype :	Rabbit IgG
Immunogen Information :	A full length recombinant HGAL protein was used as the immunogen for this antibody.

Description

Human germinal center-associated lymphoma (HGAL) is specifically expressed only in germinal center (GC), B lymphocytes and GC-derived lymphomas. It is located on chromosome 3q13, comprises 6 exons and encodes a cytoplasmic protein of 178 amino acids that contains an immunoreceptor tyrosine-based activation motif (ITAM). HGAL decreases lymphocyte motility by inhibiting the ability of myosin to translocate actin via direct interaction with F-actin and myosin II and by activating RhoA signaling via direct interactions with RhoA-specific guanine nucleotide exchange factors. It also regulates B-cell receptor (BCR) signaling by directly binding to and enhancing Syk kinase activity and activation of its downstream effectors (Ref-1). HGAL expression by tumor cells correlates with a favorable prognosis in patients with diffuse large B-cell and classical Hodgkin lymphomas.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 0.1-1 µg/ml, Immunohistochemical analysis: 20 µg/ml

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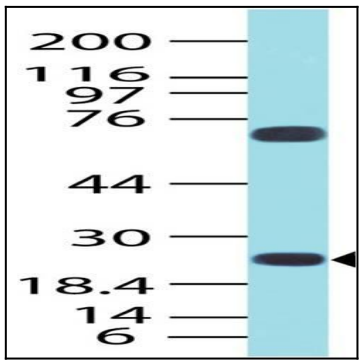

Figure-1: Western blot analysis of HGAL. Anti-HGAL antibody (11-7537) was used at 0.1 µg/ml on Raji lysate.

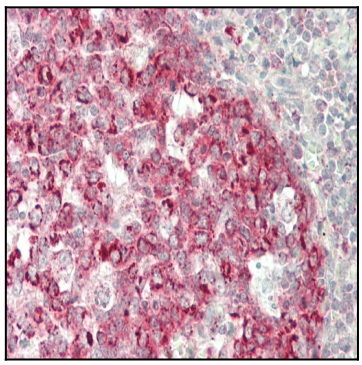

Figure-2: Immunohistochemical analysis of HGAL. Anti-HGAL antibody (11-7537) in human Tonsil tissue at 20 µg/ml.

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