
JWA Rabbit pAb

Catalog Number: bs-9706R

Target Protein: JWA

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 22 kDa

Subcellular: Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 10550

Swiss Prot: O75915

Source: KLH conjugated synthetic peptide derived from human JWA: 101-188/188.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: JWA is a four-transmembrane environmental responsive protein which binds to the CC chemokine receptor 5 (CCR5), a major co-receptor for human immunodeficiency virus (HIV). JWA is involved in environmental stress-responsive pathways in K562 cells, an erythroleukemia cell line derived from patients with chronic myeloid leukemia. Environmental stressors to K562 cells such as heat shock, a higher temperature than the ideal body temperature of the organism from which the cell line was derived, and oxidative stress, the production of oxygen-centered free radicals, regulate and increase the expression of JWA. This response to environmental stressors suggests similarity of JWA to heat shock protein 70 (HSP70), which is upregulated by heat stress and toxic chemicals.