HSP40-4 Polyclonal Antibody

Catalog Number: E-AB-11313



Note: Centrifuge before opening to ensure complete recovery of vial contents.

| Description | |
|--------------|---|
| Reactivity | Human,Mouse,Rat |
| Immunogen | Recombinant protein of human DNAJA1 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Conjugation | Unconjugated |
| Formulation | PBS with 0.05% sodium azide and 50% glycerol, PH7.4 |
| Applications | Recommended Dilution |
| WB | 1:500-1:2000 |
| ІНС | 1:100-1:300 |
| Data | |



Western Blot analysis of HepG2, Raji, A431 and 231 cell using HSP40-4 Polyclonal Antibody at dilution of 1:800 Calculated Mw:45kDa



Immunohistochemistry of paraffin-embedded Human colon cancer using HSP40-4 Polyclonal Antibody at dilution of 1:60



Immunohistochemistry of paraffin-embedded Human thyroid cancer using HSP40-4 Polyclonal Antibody at dilution of 1:60

Preparation & Storage

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Background

DnaJ-like proteins interact with HSP 70 molecular chaperones and function to facilitate protein folding and mitochondrial protein import. HSP 40-4, also known as HDJ2, is the human DnaJ homolog that functions as a co-chaperone with a cysteine-rich zinc finger domain. The cellular redox enzyme thioredoxin interacts with HSP 40-4, and oxidation and

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reduction reversibly regulate HSP 40-4 function in response to the changing redox states of the cell. The zinc finger domain of HSP 40-4 may act as a redox sensor of chaperone-mediated protein-folding machinery, since HSP 40-4 inactivation leads to the oxidation of cysteine thiols and a simultaneous release of coordinated zinc. Loss of the HSP 40-4 protein may be linked to severe defects in spermatogenesis that involve aberrant androgen signaling.

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