

ORP150 polyclonal antibody

Catalog: BS90991

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

ORP150, also known as HYOU1 (hypoxia upregulated 1), is a 999 amino acid protein that localizes to the lumen of the endoplasmic reticulum (ER) and is a member of the heat shock protein 70 (HSP 70) family. ORP150 is highly expressed in tissues that have well-developed ERs and a large number of secretory proteins (such as liver and pancreas). It is expressed at lower levels in kidney and brain, and plays an essential role in cytoprotective cellular responses to hypoxia (oxygen deprivation). Specifically, ORP150 participates in protein folding and secretion in the ER and functions to protect cells from hypoxia-induced apoptosis, thereby playing a crucial role in cell survival. ORP150 expression is upregulated in a variety of tumors, such as breast cancer, suggesting an important role in tumorigenesis. The gene encoding ORP150 has two translation initiation sites, resulting in a truncated transcript that lacks an ER signal peptide, but is thought to function as a housekeeping protein in the cytoplasm.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

111 kDa

Swiss-Prot:

Q9Y4L1(Human) Q9JKR6(Mouse)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:5,000-1:20,000

IHC:1:50-1:200

FC:1:50-1:100

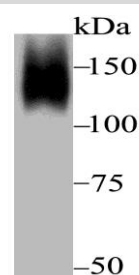
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

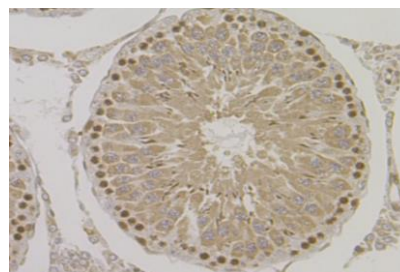
Specificity:

ORP150 polyclonal antibody detects endogenous levels of ORP150 protein.

DATA:



Western blot analysis of ORP150 on mouse prostate tissue lysate using anti-ORP150 antibody at 1/5,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-ORP150 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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