

HSP22 polyclonal antibody

Catalog: BS90666

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Crystallins are the major proteins expressed in the vertebrate eye lens, where they maintain the transparency and refractive index of the lens. Crystallins are divided into a, b and g families; b and g-crystallins compose a superfamily. Crystallins usually contain seven distinctive protein regions, including four homologous motifs, a connecting peptide, and N- and C-terminal extensions. a-crystallins consist of three gene products, aA, aB and aC-crystallin, which are members of the small heat shock protein family (HSP20). They are induced by heat shock, and act as molecular chaperones by holding denatured proteins in large soluble aggregates. However, unlike other molecular chaperones, a-crystallins do not renature these proteins. Research indicates that binding occurs between membranes and aC-crystallin. The binding site appears to be at the polar-apolar interface in membrane protein (MIP26) and aC-crystallin; the lipid bilayer becomes less mobile with aC-crystallin binding.

Product:

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

Molecular Weight:

22 kDa

Swiss-Prot:

Q9UJY1(Human) Q9JK92(Mouse) Q9EPX0(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

ICC:1:100-1:500

IHC:1:50-1:200

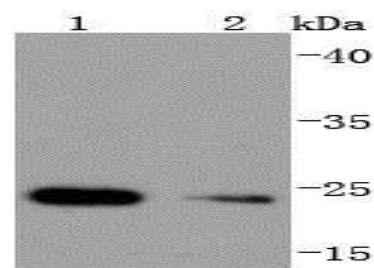
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

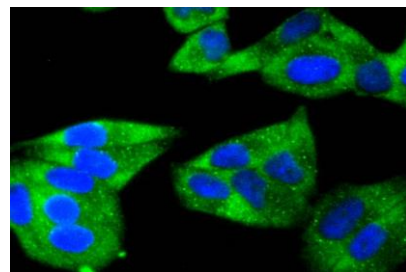
Specificity:

HSP22 polyclonal antibody detects endogenous levels of HSP22 protein.

DATA:



Western blot analysis of Hsp22 on different lysates using anti-Hsp22 antibody at 1/1,000 dilution. Positive control: Lane 1: HepG2 Lane 2: Mouse skeletal muscle



ICC staining Hsp22 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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