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DATA SHEET

Mouse Anti-Heat Shock Protein (HSP27) [G3.1]: MC0154, MC0154RTU7

Intended Use: For Research Use Only

Description: HSP 27 also known as 24K estrogen-regulated protein or HSP 28 is a small heat shock protein that has been shown to correlate with the expression of estrogen-receptor. Immunohistochemical studies of HSP 27 has shown that it is localized mainly in the female reproductive tract and in ER and PR positive breast tumor cell lines. Increased levels of HSP 27 have been shown to correlate with the presence of ER and PR in human breast tumor biopsy samples.

Specifications:

Clone:	G3.1
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human, Chimpanzee, Monkey, Sheep, Rat, Mouse, and Chicken
Localization:	Cytoplasm, some nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., ICC/IF, WB

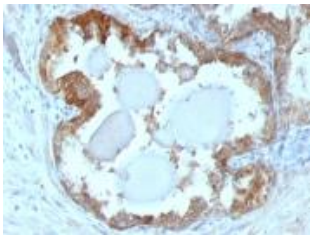
Package:

Description	Catalog No.	Size
Heat Shock Protein (HSP27) Concentrated	MC0154	1 ml
Heat Shock Protein (HSP27) Prediluted	MC0154RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Breast cancer
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human prostate ca. stained with anti-HSP27 using DAB

References:

1. Quantitative proteomic analysis reveals potential diagnostic markers and pathways involved in pathogenesis of renal cell carcinoma. White NM, et al. Oncotarget 5:506-18, 2014.
2. The master regulator of the cellular stress response (HSF1) is critical for orthopoxvirus infection. Filone CM, et al. PLoS Pathog 10:e1003904, 2014.
3. Cordyceps cicadae induces G2/M cell cycle arrest in MHCC97H human hepatocellular carcinoma cells: a proteomic study. Wang H, et al. Chin Med 9:15, 2014.
4. The BAG-1 isoform BAG-1M regulates keratin-associated Hsp70 chaperoning of aPKC in intestinal cells during activation of inflammatory signaling. Mashukova A, et al. J Cell Sci 127:3568-77, 2014.

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