GeneTex
Quality Antibodies · Quality Results

Datasheet

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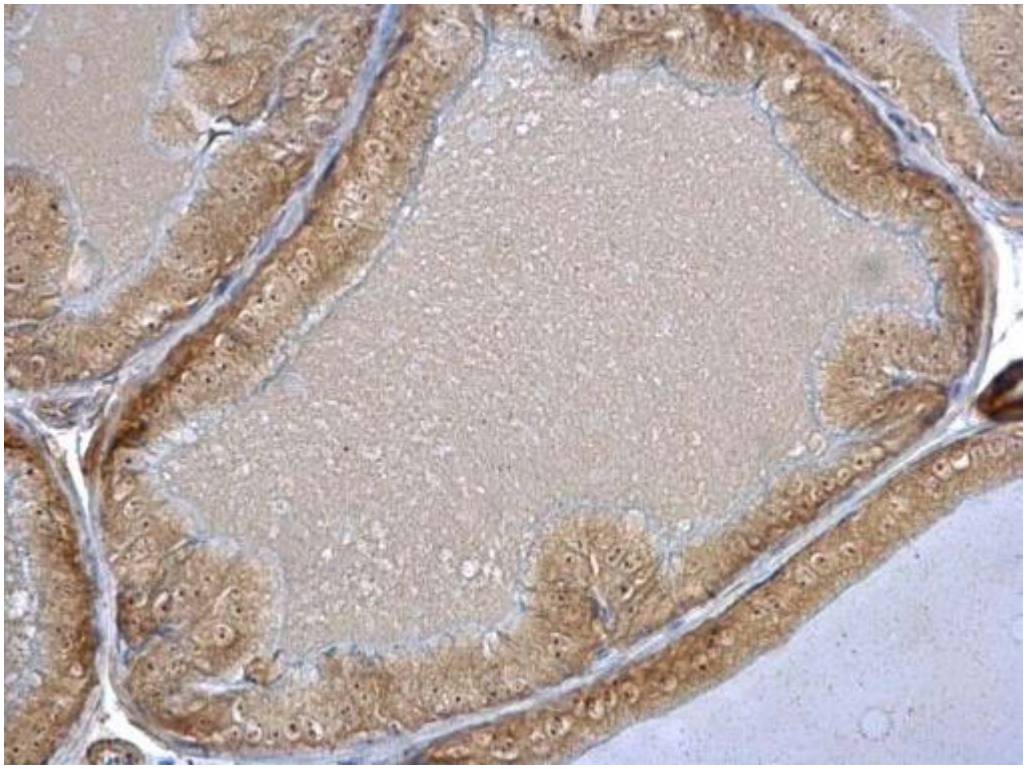
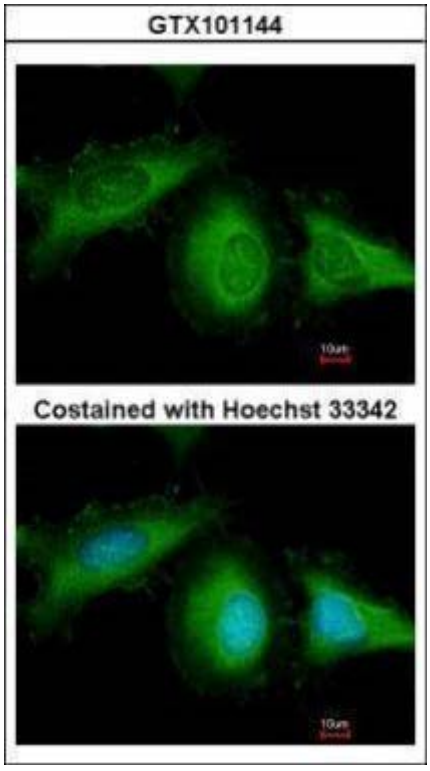
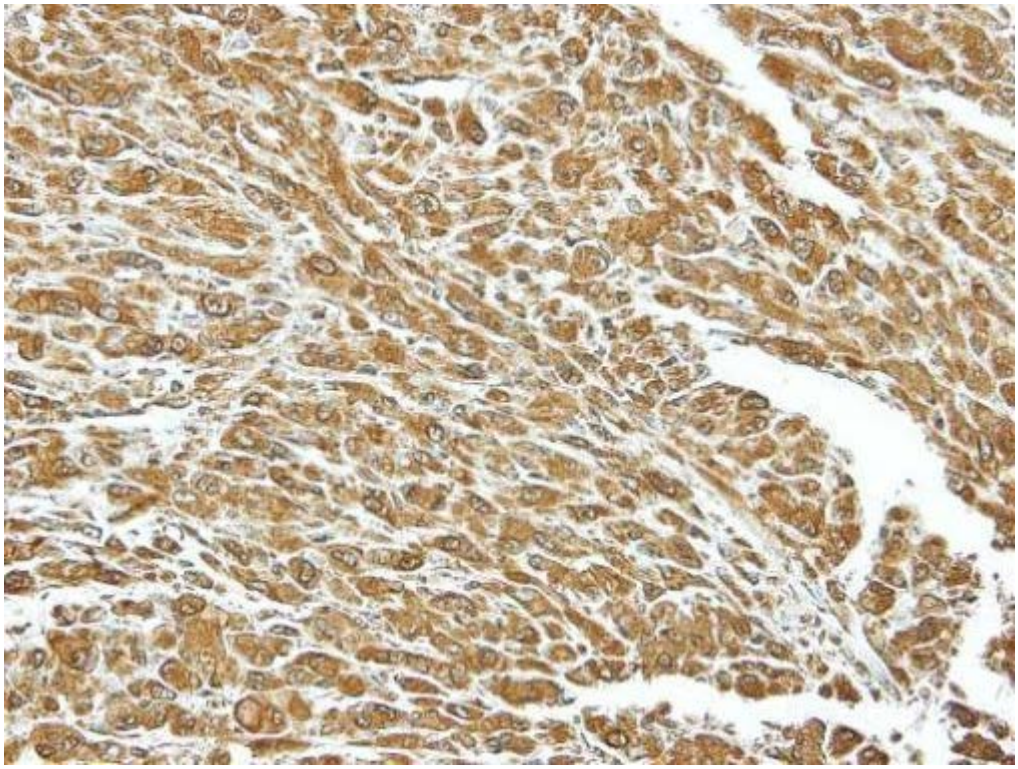
Catalog Number	GTX101144 Package:25 ul,100 ul
Product Name	HSC70 antibody
Full Name	heat shock 70kDa protein 8
Synonyms	HSC54 antibody, HSC70 antibody, HSC71 antibody, HSP71 antibody, HSP73 antibody, HSPA10 antibody, LAP1 antibody, MGC131511 antibody, MGC29929 antibody, NIP71 antibody, HSPA8 antibody, heat shock cognate 71 kDa protein antibody, heat shock cognate protein 54 antibody, constitutive heat shock protein 70 antibody, heat shock 70kd protein 10 antibody, N-myristoyltransferase inhibitor protein 71 antibody, lipopolysaccharide-associated protein 1 antibody, LPS-associated protein 1 antibody, heat shock 70kDa protein 8 antibody
Background	The product encoded by this gene belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This gene encodes a heat-shock cognate protein. This protein binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Two alternatively spliced variants have been characterized to date. [provided by RefSeq]
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of human HSC70. The exact sequence is proprietary.
Antigen Species	Human
Species Reactivity	Human, Mouse, Rat
Predicted Cross Reactivity species	Xenopus laevis, Pig, Chicken, Rhesus Monkey, Bovine
Predict Reactivity Note	Xenopus laevis (91%), Pig (100%), Chicken (96%), Rhesus Monkey (100%), Bovine (100%)
Applications	ICC/IF, IHC-P, WB
Application Note	Suggested dilution / Reference Immunocytochemistry/ Immunofluorescence (ICC/IF) 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western Blot (WB) 1:1000-1:20000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.
Positive Controls	293T , A431 , HeLa , HepG2 , Mouse brain
Predicted Target Size	71 kDa
Cellular Localization	Cytoplasm , Melanosome
Conjugation	Unconjugated
Form Supplied	Liquid
Purification	Purified by antigen-affinity chromatography.
Concentration	0.55 mg/ml (Please refer to the vial label for the specific concentration)
Storage Buffer	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Notes	For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
ResearchArea	Cancer > Tumor biomarkers Cancer > Type of cancer > Lung > Non-small cell



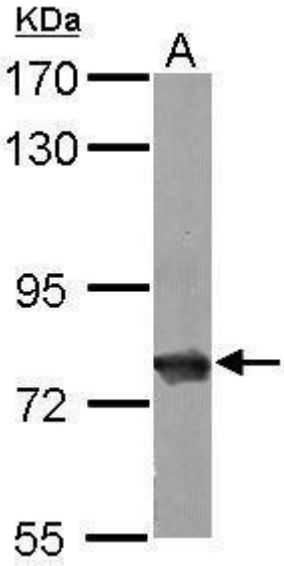
- GTX101144 IHC-P Image
- HSC70 antibody detects HSC70 protein at nucleolus on mouse prostate by immunohistochemical analysis.
  Sample: Paraffin-embedded mouse prostate.
  HSC70 antibody (GTX101144) dilution: 1:500.



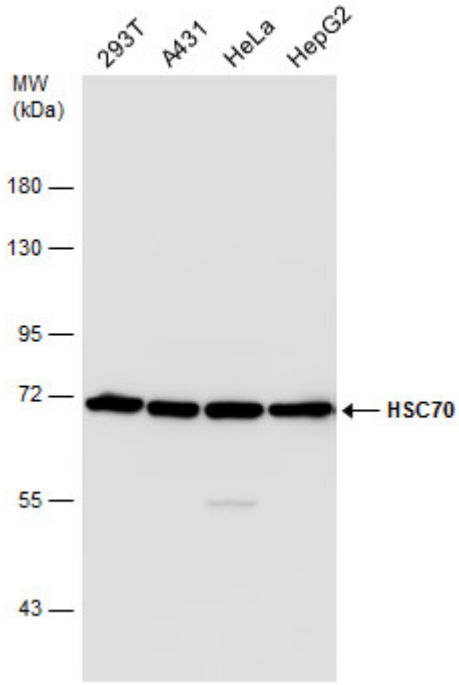
- GTX101144 ICC/IF Image
- Immunofluorescence analysis of methanol-fixed HeLa, using HSC70(GTX101144) antibody at 1:200 dilution.



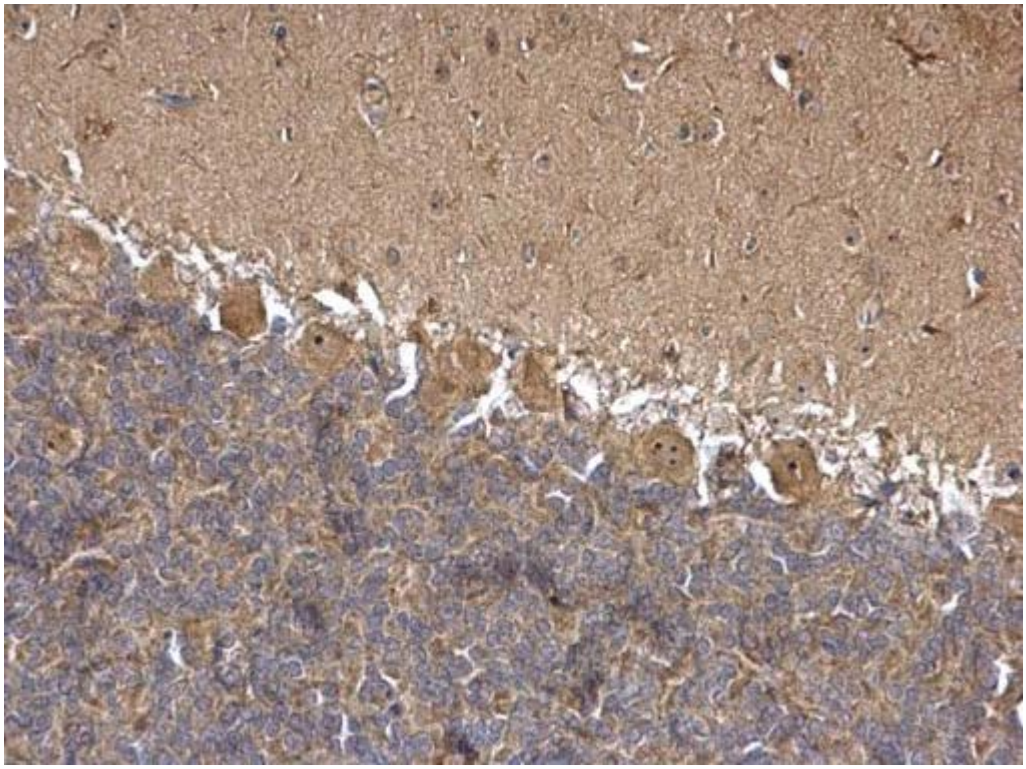
- GTX101144 IHC-P Image
- Immunohistochemical analysis of paraffin-embedded U87 xenograft, using HSC70(GTX101144) antibody at 1:100 dilution.



- GTX101144 WB Image
- Sample (50 µg of whole cell lysate)
  A: Mouse brain
  7.5% SDS PAGE
  GTX101144 diluted at 1:5000
  The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



- GTX101144 WB Image
- Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with HSC70 antibody (GTX101144) diluted at 1:10000.



- GTX101144 IHC-P Image
- HSC70 antibody detects HSC70 protein at nucleolus on rat hind brain by immunohistochemical analysis.
  Sample: Paraffin-embedded rat hind brain.
  HSC70 antibody (GTX101144) dilution: 1:500.