Anti-Nrf2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100215

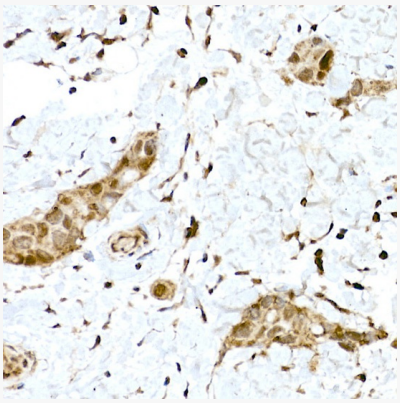
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IF 1:50~1:200; IHC-P 1:50~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 243-400 of human NRF2 (NP_006155.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Nrf2 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

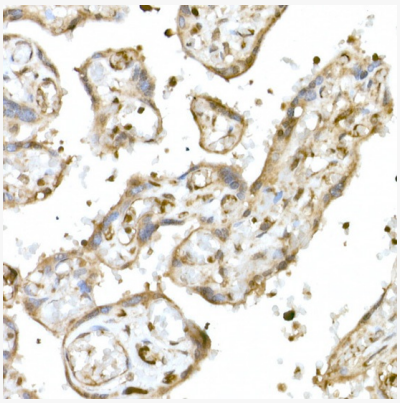
Protein Information

Synonyms	NRF2; HEBP1; Nrf-2; IMDDHH.
Calculated MW	Calculated MW: 68 kDa; Observed MW: 97-110 kDa
Uniprot ID	Q16236
Gene ID	4780
Background	This gene encodes a transcription factor which is a member of a small family of basic leucine zipper (bZIP) proteins. The encoded transcription factor regulates genes which contain antioxidant response elements (ARE) in their promoters; many of these genes encode proteins involved in response to injury and inflammation which includes the production of free radicals. Multiple transcript variants encoding different isoforms have been characterized for this gene.

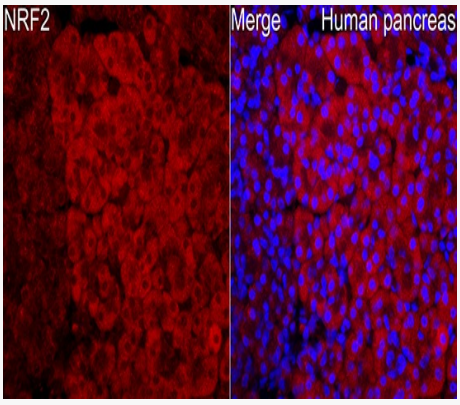
Validation Images



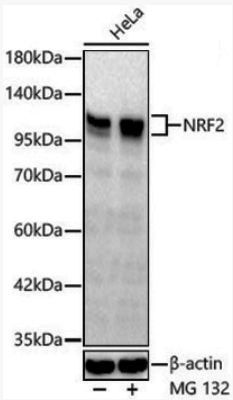
Immunohistochemistry analysis of paraffin-embedded Human breast cancer using NRF2 Rabbit pAb (P100215) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta using NRF2 Rabbit pAb (P100215) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of Human pancreas tissue using NRF2 Rabbit pAb (P100215) at a dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining.



Western blot analysis of lysates from wild type (WT) and NRF2 knockout (KO) HeLa cells using NRF2 Rabbit pAb (P100215) at 1:1,000 dilution. wild type (WT) and NRF2 knockout (KO) HeLa cells were treated by MG132(10 μM) at 37°C for 90 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 45s.