

Anti-Nrf2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

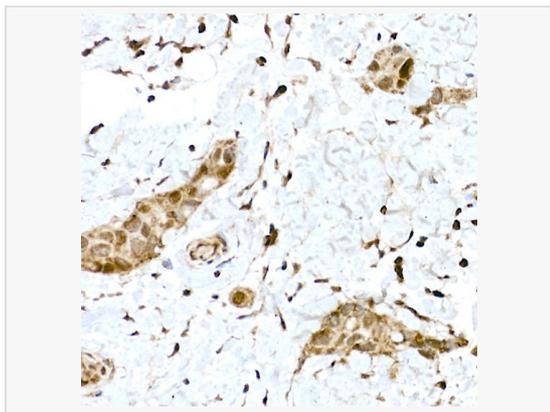
Catalog # P100215

Product Information

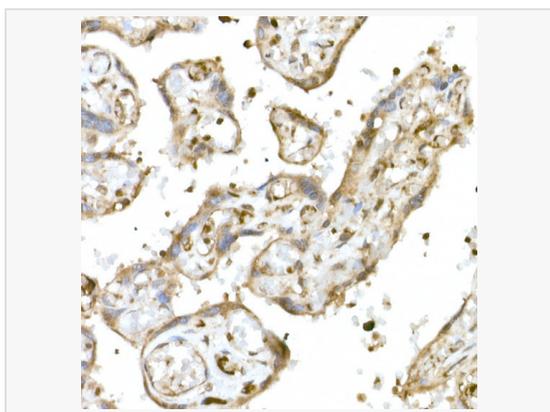
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|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| 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

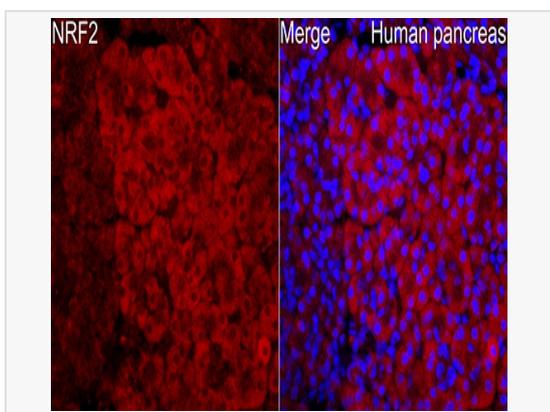
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|---------------|--|
| Synonyms | NRF2; HEBP1; Nrf-2; IMDDHH |
| Calculated MW | Calculated MW: 68 kDa; Observed MW: 97-110 kDa |
| Uniprot ID | Q16236 |
| Gene ID | 4780 |
| Background | This gene encodes a transcription factor which is a member of 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. |



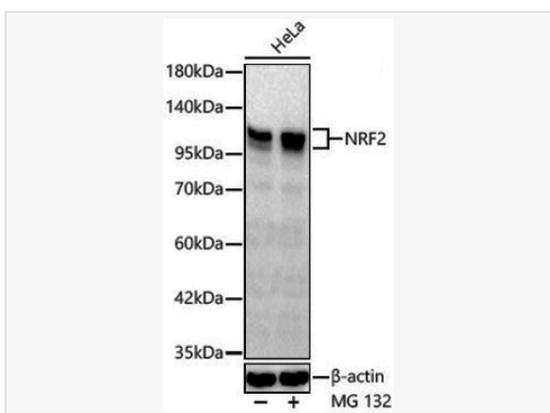
Immunohistochemistry analysis of paraffin-embedded Human breast cancer using NRF2 Rabbit pAb (P100215) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



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 μ M) at 37°C for 90 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 45s.