

## NOX2/gp91phox Monoclonal Antibody

CAB19701

### Description

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This NOX2/gp91phox Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	CAB19701
<b>Contents:</b>	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Monoclonal Antibody
<b>Synonyms:</b>	CGD, CGDX, NOX2, IMD34, AMCBX2, GP91-1, GP91PHOX, p91-PHOX, GP91-PHOX, NOX2/gp91phox
<b>Clone:</b>	ARC0181
<b>Applications:</b>	<span>WB</span> <span>ELISA</span>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Mouse, Rat

### Antibody Data

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<b>Gene ID:</b>	1536
<b>Uniprot:</b>	AB_2862743
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	65kDa
<b>Calculated MW:</b>	65kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

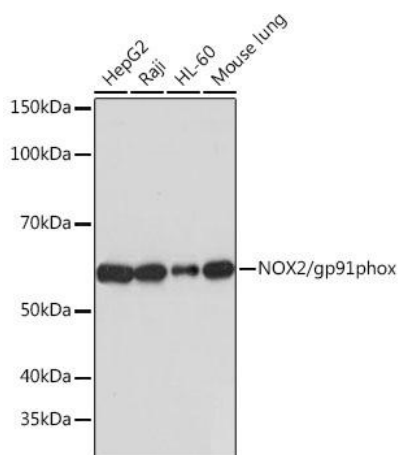
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** Mouse spleen, Mouse heart, Rat lung, Rat spleen, HepG2, Raji, HL-60, Mouse lung

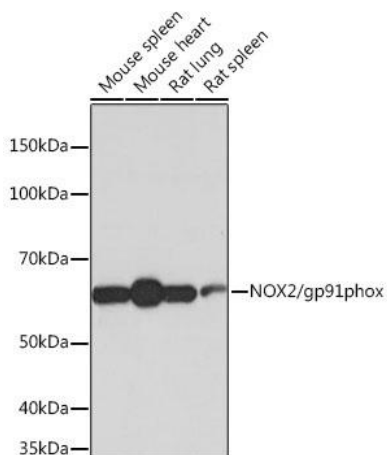
<b>Recommended Dilutions:</b>	<b>WB</b>	1:1000 - 1:2000
	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of various lysates using /gp91phox Rabbit mAb (CAB19701) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1min.



Western blot analysis of various lysates using /gp91phox Rabbit mAb (CAB19701) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3min.

