

## ARG58712 anti-FMO2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes FMO2  |
| Tested Reactivity   | Hu  |
| Tested Application  | WB  |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | FMO2  |
| Species             | Human   |
| Immunogen           | Synthetic peptide corresponding to aa. 78-115 of Human FMO2 (FPNFLHNSKLLEYFRIFAKKFDLLKYIQFQTTVLSVRK).   |
| Conjugation         | Un-conjugated   |
| Alternate Names     | Pulmonary flavin-containing monooxygenase 2; FMO 1B1; Dimethylaniline oxidase 2; FMO1B1; Dimethylaniline monooxygenase [N-oxide-forming] 2; EC 1.14.13.8; FMO 2 |

### Application Instructions

|                   |  |                 |
|-------------------|--|-----------------|
| Application table | Application  | Dilution        |
|                   | WB   | 0.1 - 0.5 µg/ml |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |

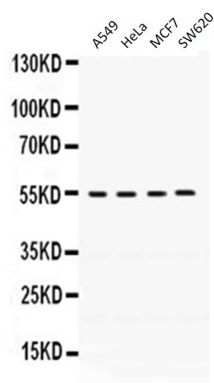
### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Affinity purification with immunogen.  |
| Buffer              | 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 5% BSA.  |
| Preservative        | 0.05% Sodium azide   |
| Stabilizer          | 5% BSA   |
| Concentration       | 0.5 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

Bioinformation

|                       |   |
|-----------------------|---|
| Gene Symbol           | FMO2  |
| Gene Full Name        | flavin containing monooxygenase 2 (non-functional)  |
| Background            | This gene encodes a flavin-containing monooxygenase family member. It is an NADPH-dependant enzyme that catalyzes the N-oxidation of some primary alkylamines through an N-hydroxylamine intermediate. However, some human populations contain an allele (FMO2*2A) with a premature stop codon, resulting in a protein that is C-terminally-truncated, has no catalytic activity, and is likely degraded rapidly. This gene is found in a cluster with other related family members on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014] |
| Function              | Catalyzes the N-oxidation of certain primary alkylamines to their oximes via an N-hydroxylamine intermediate. Inactive toward certain tertiary amines, such as imipramine or chlorpromazine. Can catalyze the S-oxidation of methimazole. The truncated form is catalytically inactive. [UniProt]   |
| Calculated Mw         | 61 kDa  |
| PTM                   | The truncated form is probably unable to fold correctly and is rapidly degraded.<br><br>FMO2*1 is sumoylated at 'Lys-492'. [UniProt]  |
| Cellular Localization | Microsome membrane. Endoplasmic reticulum membrane. [UniProt]   |

Images



ARG58712 anti-FMO2 antibody WB image

Western blot: 40 µg of A549, HeLa, MCF7, SW620 whole cell lysates stained with ARG58712 anti-FMO2 antibody at 0.5 µg/ml.