

## DD2 (Q60) polyclonal antibody

Catalog: BS3804

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

DD1 is also designated AKR1C1, DDH or DDH1, while DD2 also can be designated AKR1C2, dDD, BABP or DDH2. AKR1C3 and  $3\alpha$ -HSD are alternate designations for human DD3 (which is referred to as AKR1C18 in rodents), while DD4 also can be called AKR1C4, CD, CHDR or AKR1C6 (in rodents). DD1 and DD2 are  $20\alpha$ -HSDs, whereas DD3 and DD4 are the  $3\alpha$ -HSDs. The multiple human cytosolic dihydrodiol dehydrogenases are involved in the metabolism of xenobiotics, such as polycyclic aromatic hydrocarbons, pesticides and steroid hormones, and are responsible for the reduction of ketone-containing drugs by using NADH or NADPH as a cofactor. The  $20\alpha$ -HSD catalyzes the reaction of Progesterone to the inactive form  $20\alpha$ -hydroxyprogesterone.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 43 kDa

### Swiss-Prot:

P52895

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

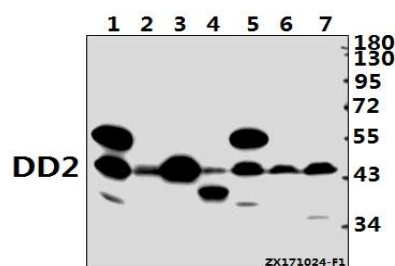
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

DD2 (Q60) polyclonal antibody detects endogenous levels of DD2 protein.

### DATA:



Western blot (WB) analysis of DD2 (Q60) pAb at 1:500 dilution

Lane1:PC12 whole cell lysate(40ug)

Lane2:AML-12 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Lane4:K562 whole cell lysate(40ug)

Lane5:Hela whole cell lysate(40ug)

Lane6:H1792 whole cell lysate(40ug)

Lane7:HepG2 whole cell lysate(40ug)

Immunohistochemistry (IHC) analyzes of DD2 (Q60) pAb in paraffin-embedded human breast cancer tissue.

### Note:

For research use only, not for use in diagnostic procedure.

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