

Product datasheet for **TA369168S**

AKR1C4 Rabbit Polyclonal Antibody

Product data:

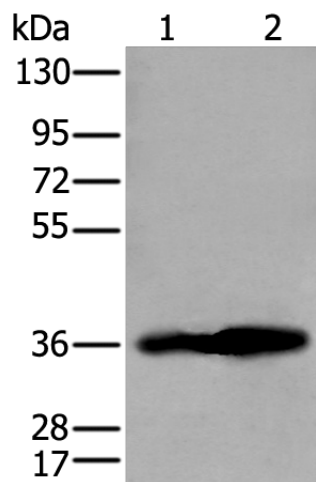
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|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 500-2000 WB positive control: A549 cell lysate and Human fetal liver tissue lysate IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Full length fusion protein |
| Formulation: | pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. |
| Stability: | 1 year |
| Predicted Protein Size: | 37 kDa |
| Gene Name: | aldo-keto reductase family 1, member C4 |
| Database Link: | Entrez Gene 1109 Human P17516 |
| Background: | This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. |



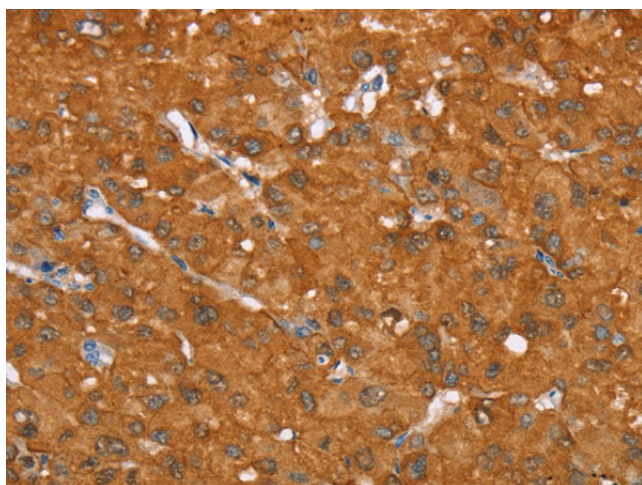
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Synonyms: 3-alpha-HSD; 3-alpha-HSD1; C11; CDR; CHDR; DD-4; DD4; HAKRA; MGC22581; OTTHUMP00000018997

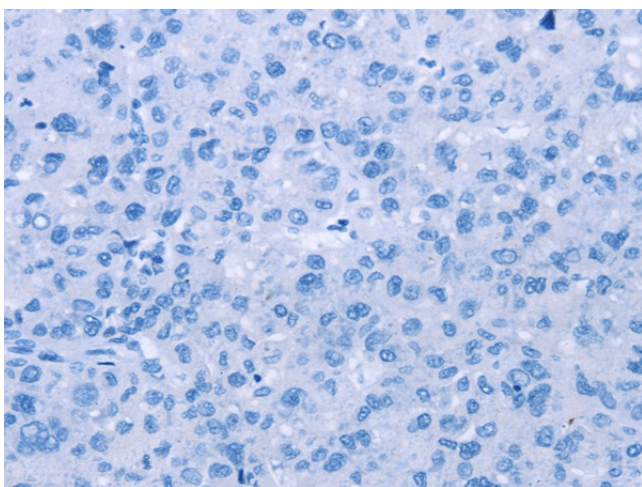
Product images:



Gel: 8%SDS-PAGE
 Lysate: 40 µg
 Lane 1-2: A549 cell lysate and Human fetal liver tissue lysate
 Primary antibody: [TA369168] (AKR1C4 Antibody) at dilution 1/250
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 3 seconds



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA369168] (AKR1C4 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA369168] (AKR1C4 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)