

## Antibody Datasheet

<b>Product description:-</b>	Anti-HHARI
<b>Antigen:-</b>	GST-HHARI [DU 22966]
<b>Sheep Number:-</b>	S622D
<b>Formulation:-</b>	Phosphate Buffered Saline
<b>Storage temperature:-</b>	-20 °C
<b>Purification Method:-</b>	Affinity purified against recombinant protein GST-HHARI and then depleted against GST

### Working Concentration:-

For immunoblotting use 0.5 – 1.0 ug/ml

For immunoprecipitation use 10 ug of antibody per 1 mg of cell extract

### Immunoblotting:

Antibody can be used for detection of endogenous HHARI (also known as ARIH1) in HEK293 cells. Protein runs at around 60 kDa (expected size ~65 kDa). Band can be knocked down using RNAi.

### Figure One:

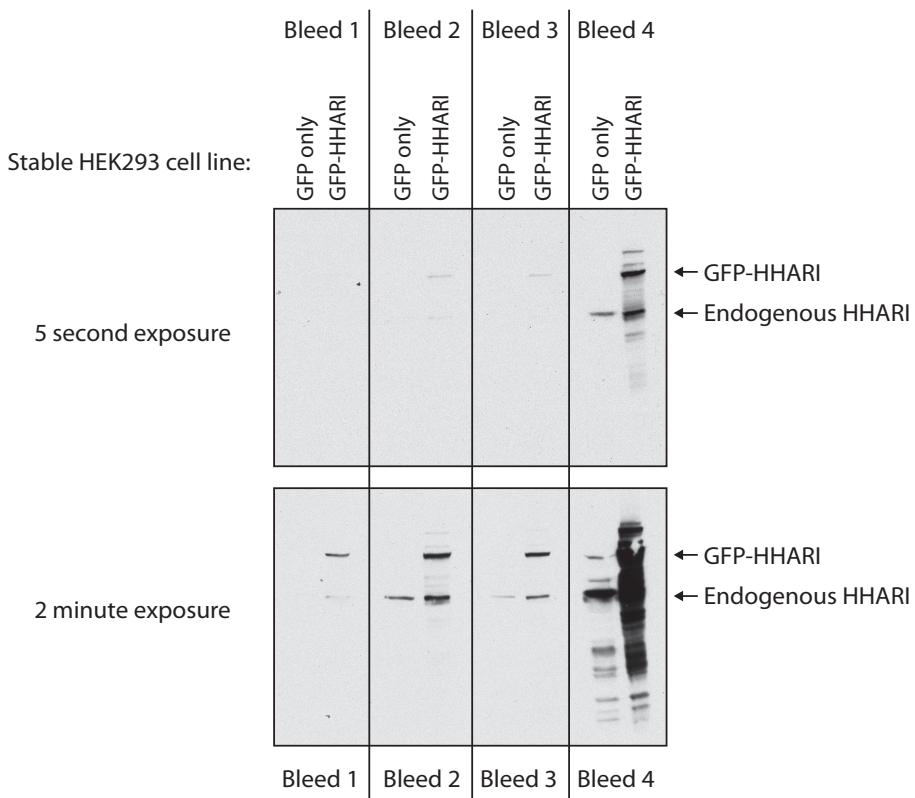


Figure One Details: All four bleeds tested for their ability to detect over-expressed GFP-HHARI in 20 µg HEK293 cell lysate. All four bleeds detect not only over-expressed protein but also the endogenous HHARI protein too. Bleed 4 is most sensitive.

Figure Two:

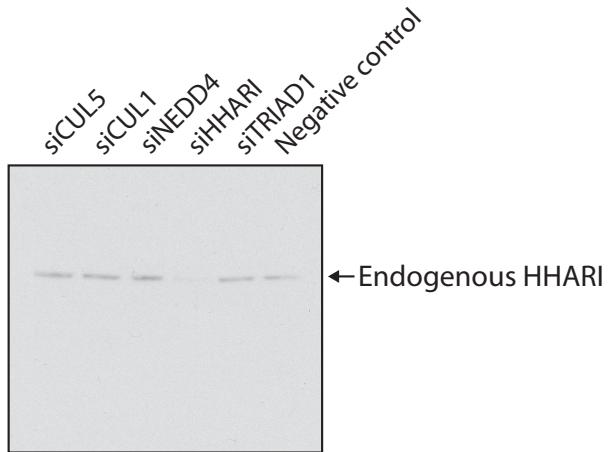


Figure Two Details: Bleed 2 was used at a concentration of 1 µg/ml. A single band was detected, which was reduced after HHARI knockdown by RNAi. The antibody does not appear to cross-react with the closely related TRIAD1 protein.

### Immunoprecipitation:

Antibody can be used to immunoprecipitate endogenous HHARI from HEK293 cells.

Figure Three:

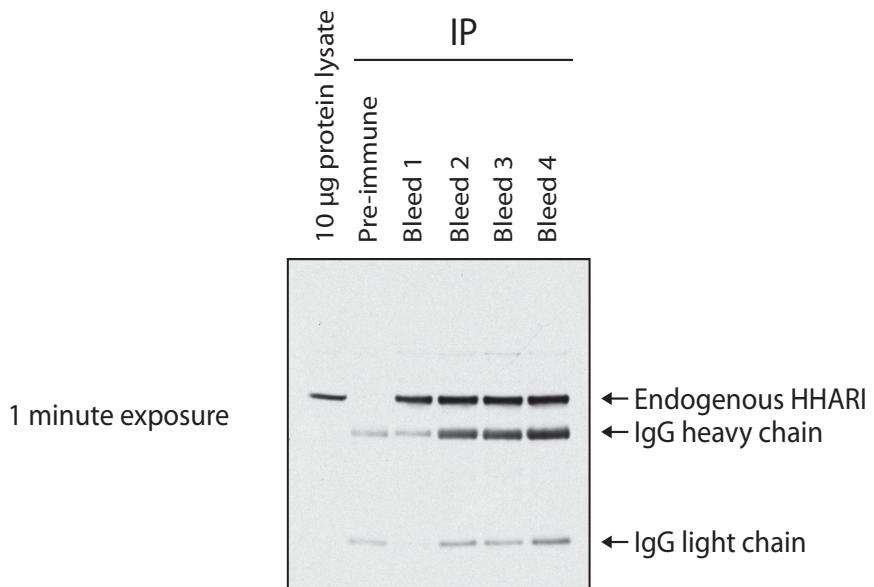


Figure Three Details: 10 ug of anti-HHARI antibody was used to immunoprecipitate the endogenous protein from 1 mg of HEK293 lysate. The immunoprecipitated proteins were denatured in 200  $\mu$ l of 2 X LDS sample buffer and 10  $\mu$ l was analysed by SDS-PAGE followed by western blotting using the fourth bleed at a concentration of 0.5  $\mu$ g/ml.