

# Optical properties of infrared-bright dust-Obscured galaxies viewed with Subaru Hyper Suprime-Cam

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## What's dust obscured galaxies (DOGs)?

- DOGs are faint in optical but very bright in mid-infrared.
- DOGs are powered by active star-formation and/or AGN.
- DOGs are believed to be a candidate population that is evolving to quasars from gas-rich mergers.

## Optical properties of DOGs

